LIMITED ASBESTOS SURVEY REPORT

RENOVATIONS TO ACCOMMODATE
COLLOCATION OF SIX (6) METROPOLITAN POLICE DEPARTMENT
UNITS AT 2850 NEW YORK AVENUE, NE
WASHINGTON, DISTRICT OF COLUMBIA

STV Project Number 3015141
May 27, 2011

Prepared by:

STV Incorporated
225 Park Avenue South
New York, NY 10003
Phone: (212) 777-4400
Fax: (212) 529-5237

Prepared for:

Government of the District of Columbia
Department of Real Estate Services
Construction Division
2000 14th Street NW, Suite 800
Washington, DC 20009

225 Park Avenue South
New York, NY 10003
Phone: (212) 777-4400
Fax: 212-529-5237

May 27, 2011

Mr. Michael Gaffney
Government of the District of Columbia
Department of Real Estate Services (DRES)
Construction Division
2000 14th Street NW, Suite 800
Washington, Dc 20009

Re: Limited Asbestos Survey Report
District of Columbia, Department of Real Estate Services (DRES)
Construction Division
Renovations to Accommodate Collocation of Six (6) Metropolitan Police Department Units at 2850 New York Avenue NE Facility

STV Project Number 3015141

Dear Mr. Gaffney:

STV Incorporated (STV) is pleased to submit the enclosed Limited Asbestos Survey Report for Renovations to Accommodate Collocation of Six (6) Metropolitan Police Department Units at 2850 New York Avenue NE Facility.

STV appreciates the opportunity to be of service to the Department of Real Estate Services on this project and looks forward to working with you on future assignments. In the meantime, if you have questions or comments regarding the information in this report or if we can be of further assistance, please do not hesitate to contact the undersigned in the STV Incorporated New York, New York, office at (212) 505-4930.

Sincerely,
STV Incorporated

Douglas Glorie
Senior Project Manager

cc: D. Hessemer, S. Sottung

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EXECUTIVE SUMMARY

On May 12, 2011, STV Incorporated (STV) conducted a limited asbestos survey of 2850 New York Avenue NE Facility, Washington, D.C., hereinafter referred to as the site. The purpose of the survey was to identify, locate, sample, and assess the condition of accessible building materials not previously sampled that were suspected of containing asbestos that may be impacted by Renovations to Accommodate Collocation of Six (6) Metropolitan Police Department Units at 2850 New York Avenue NE Facility.

The analytical results of the samples collected during the limited asbestos survey of 2850 New York Avenue NE Facility, indicated that none of the building materials sampled by STV on May 12, 2011 contain asbestos greater than one percent (>1%) in content. The prior report indicates that the following building materials were confirmed or assumed to contain asbestos greater than one percent (>1%) in content:

1. Expansion Joint Caulk (Prior Report)
2. Remnant Black Floor Tile Mastic (Prior Report)
3. Exterior Metal Fire Door Insulation (Prior Report)
4. Roofing Materials (Prior Report)

A summary of limited asbestos containing material (ACM) survey results are included in Table D-1 (in Appendix D). A summary of positive ACM identified during the survey and prior report, including their location and quantity, is included in Table D-2 (in Appendix D).

Asbestos containing materials must be properly removed by a licensed contractor prior to construction activities. Contractors and employees working in this building should be made aware of the possibility that concealed ACM may be found during renovation/demolition. They should be advised not to disturb known or suspect ACM without owner approval. Any concealed building materials discovered during maintenance or renovation activities, which are suspected to contain asbestos, should be sampled and analyzed to confirm the presence of asbestos prior to disturbing.

1.0 BACKGROUND

On May 12, 2011, STV Incorporated (STV) conducted a limited asbestos survey of 2850 New York Avenue NE Facility, Washington, D.C., hereinafter referred to as the site. The purpose of the survey was to identify, locate, sample, and assess the condition of accessible building materials that were suspected of containing asbestos that may be impacted by Renovations to Accommodate Collocation of Six (6) Metropolitan Police Department Units and were not previously sampled. The survey was performed by STV representatives, Mr. Douglas Glorie, (Asbestos Inspector Certificate Number 94-09065) and Mr. Robert Fields (Asbestos Inspector Certificate Number 10-10983). Copies of the inspectors' certifications are presented in **Appendix A**.

2.0 DESCRIPTION OF FACILITY

The existing two-story building is rectangular in configuration and is approximately 100,000 gross square feet (gsf) on the first floor contained in a building footprint of approximately 678 feet long x 146 feet wide. The second floor, located on the west side of the building is approximately 17,000 sf with a mezzanine on the east side of approximately 11,000 sf. The building is approximately 25 feet in height, with the second floor and mezzanine approximately 10'- 4" above the first floor. Loading bays are located on the south and east sides of the first floor with docks approximately 4 feet high, some with dock levelers. The existing building was utilized for warehouse functions and more specifically by the Times as a printing facility.

3.0 SAMPLING AND ANALYTICAL PROTOCOL

3.1 Survey Procedures - General

The site was inspected for the presence of suspect asbestos containing building materials that may contain more than one percent asbestos. The survey included the interior and exterior of the building and was conducted without destructive sampling procedures. Asbestos containing materials (ACM) are divided into three main categories: Surfacing Materials, Thermal System Insulation, and Miscellaneous Materials. All of the suspect materials identified were described and categorized into homogeneous areas (HAs). An HA consists of all identified material found in various locations in a building that are identical in color, appearance, pattern, texture, and date of installation. The HA can be described only within a single building (i.e., red floor tile in different buildings on the same campus, even if installed on the same day, compose different HAs).

The asbestos survey was conducted in accordance with the Asbestos Hazard Emergency Response Act (AHERA) guidelines. The number of samples collected was dependant upon the homogeneous area category and the amount of material present, using a minimum number of samples, which met the sampling criteria found in 29 CFR 1926.1101 as follows:

AHERA GUIDELINES FOR DETERMINING THE NUMBER OF SAMPLES TO TAKE		
HA CATEGORY	HA SIZE	SAMPLES REQUIRED
Surfacing Materials	<1,000 SF	3
	1,000-5,000 SF	5
	>5,000 SF	7 or more
Thermal System Insulation	< 6 SF or LF of patched	1
	< 6 SF or LF of non-patched	Per AHERA, these materials must be sampled "in a manner sufficient to determine whether or not they contain asbestos", typically 3 samples based upon inspector judgment.
	> 6 SF or LF	Per AHERA, these materials must be sampled "in a manner sufficient to determine whether or not they contain asbestos", typically 3 samples based upon inspector judgment.
Miscellaneous Materials	No Stipulation	Per AHERA, these materials must be sampled "in a manner sufficient to determine whether or not they contain asbestos", typically 3 samples based upon inspector judgment.

SF = Square feet
LF = Linear feet

3.2 Sampling Protocol

3.2.1 Choosing Sample Locations

Samples of suspect miscellaneous materials were collected in a randomly distributed manner sufficient to determine whether the materials were asbestos containing. No samples were collected from any HA where the inspector determined that the material was non-ACM (such as thermal system insulation that was obviously fibrous glass, foam glass, or rubber).

3.2.2 Sampling Methods

Samples were obtained with tools designed to penetrate a material without creating excessive dust. A utility knife, chisel, and hammer were utilized, rather than scratching a sample from the surface of suspected materials, in an effort to obtain a sample that was representative of all layers of the material. The area was pre-wetted to reduce fiber generation during the sampling process. Where practical, a small, broken piece of the material was found and used as a sample.

STV sampling procedures incorporate the use of plastic whirl-pak bags labeled in a unique numbering sequence to store the bulk samples. Information about bulk samples, including the sample number and material description, were noted on the chain-of-custody sheets as each sample was collected. Analytical results and laboratory chain-of-custody sheets are included in **Appendix B**.

3.3 Analytical Protocol

Bulk samples of suspect building materials were collected at the site and laboratory analysis for asbestos was conducted by AmeriSci New York located at 117 East 30th Street, New York, New York (NVLAP Laboratory Code 200546-0) utilizing Polarized Light Microscopy (PLM) methodology. The laboratory is accredited for PLM analysis by both the American Industrial Hygiene Association (AIHA) and the National Voluntary Laboratory Accreditation Program (NVLAP).

Bulk samples of suspect ACM were analyzed using PLM coupled with dispersion staining, as described in 40 CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAP). NESHAP is the standard industry protocol for the determination of asbestos in building materials. A suspect material is immersed in a solution of known refractive index and subjected to illumination by polarized light. The color displays that result are compared to a standardized atlas whereby the specific variety of asbestos is determined. It should also be recognized that PLM is primarily a qualitative identification method whereby asbestos percentage, if any, is estimated. While United States Environmental Protection Agency (USEPA) regulations governing ACM consider materials containing greater than 1 percent as

asbestos, accurately quantifying asbestos content below 5 percent has been shown to be unreliable.

The New York State Department of Health has revised the PLM Stratified Point Counting Method. The new method, "Polarized Light Microscopy Methods for Identifying and Quantifying Asbestos in Bulk Samples" can be found as item 198.1 in the Environmental Laboratory Approval program (ELAP) Certification manual. The method specifies a procedure of analysis for bulk samples that fall into the category of "Non-friable Organically Bound" (NOB). This category includes any sample in a flexible to rigid asphalt or vinyl matrix (floor tiles, mastic, roofing shingles, roofing felt, etc.). Additional materials that may fall into this category are textured paints and stucco, pipe valve and joint packing, and a variety of other applications. These samples must be "ashed" in a muffle furnace at 480-degrees Celsius (to remove organic matrix), treated with acid (to remove any mineral carbonate), and filtered through a 0.4-micron filter before being analyzed by PLM. The sample must be weighed between each of these steps to track the percent loss of organic matrix. All samples were analyzed by PLM only.

4.0 FINDINGS

The analytical results of the samples collected during the limited asbestos survey conducted May 12, 2011, of 2850 New York Avenue NE Facility, Washington, D.C., and review of the prior report indicate that the following building materials that may be impacted by the proposed renovations were confirmed or assumed to contain asbestos greater than one percent (>1%) in content:

1. Expansion Joint Caulk (Prior Report)
2. Remnant Black Floor Tile Mastic (Prior Report)
3. Exterior Metal Fire Door Insulation (Prior Report)
4. Roofing Materials (Prior Report)

According to the Occupational Safety and Health Administration (OSHA) and USEPA regulations, any material that contains more than one percent of any type of asbestos is considered an ACM. The following narrative lists the types of suspect materials sampled during the survey. Similar materials with unique patterns or colors (e.g., ceiling tiles, floor tiles) have been assigned unique HAs. An Asbestos-Containing Materials Summary Table is presented in **Appendix D**.

4.1 Surfacing Material

Surfacing materials are defined by 29 CFR 1910.1101 as "sprayed, troweled-on or otherwise applied to surfaces (such as plaster on ceilings and walls or other materials on surfaces for acoustical, fireproofing and other purposes)". No suspect surfacing materials impacted by the proposed renovations were observed, other than those identified in the prior report.

4.2 Thermal System Insulation

Thermal system insulation is defined as insulation material applied to pipes, fittings, boilers, breeching, tanks, ducts or other structural components to prevent heat loss or gain. Suspect thermal system insulation impacted by the proposed scope of work, and not previously reported, included the following:

1. Paper Covering over Fiberglass Duct Insulation
2. Paper Covering over Fiberglass Pipe Insulation

4.3 Miscellaneous Materials

Miscellaneous materials are defined by 40 CFR 763.83 as building materials on "structural components, structural members or fixtures, such as floor and ceiling tiles, and does not include surfacing or thermal system insulation." Suspect miscellaneous materials impacted by the proposed renovations, and not previously reported, included the following:

1. CMU Mortar
2. Brick Mortar
3. 6"x6" Brown Ceramic Tile Grout
4. Yellow Mastic associated with Brown Ceramic Tile Cove Base
5. Expansion Joint – Floor
6. Expansion Joint – Wall
7. Black Vibration Cloth
8. Brown Wallpaper
9. Gray Linoleum
10. Brown Mastic associated with Gray Linoleum
11. Gray with Silver Flecks Flooring Material
12. Black Expansion Joint under Gray Expansion Joint Caulk

4.4 Inaccessible Suspect ACM

During the survey, samples were collected if they were readily accessible and could be collected using non-destructive methods. The following portions of the building were not accessible:

1. 1st and 2nd floor offices located in the southwest corner of the building (not in scope of work)
2. Roofing System

Additional ACM may be present in inaccessible or concealed spaces. These spaces include, but are not limited to, pipe chases, spaces between wall/ceiling cavities, interior or mechanical components such as boiler cavities, interior ducts, etc. If future maintenance, renovation, and/or demolition activities make these areas accessible, STV recommends that a thorough assessment of these spaces be conducted at that time to identify and confirm the presence of additional ACM.

4.5 Review of Previous Surveys

STV was provided with the following prior report which included an asbestos survey:

1. "Space Program, District of Columbia, Department of Real Estate Services, Metropolitan Police Department" (MPD Space Program report) prepared by Atelier Architects, Inc. dated July 23, 2010.

For Asbestos-Containing Materials (ACM), the MPD Space Program report states "Areas behind solid walls and ceilings were inaccessible and could not be visually surveyed for the presence of ACM". The report also excluded the 1st and 2nd floor offices located in the southwest corner of the building. (Note: During the site visit on May 12, 2011, STV was informed by the client that 1st and 2nd floor offices located in the southwest corner of the building are not included in the scope of work.) The prior report identified the following ACM:

1. Expansion Joint Caulk
2. Remnant Black Floor Tile Mastic

3. Exterior Metal Fire Door Insulation
4. Roofing Materials (Prior Report)

6.0 FINDINGS AND CONCLUSIONS

6.1 Summary of Asbestos Containing Materials Findings

The analytical results of the samples collected during the limited asbestos survey conducted May 12, 2011, of 2850 New York Avenue NE Facility, Washington, D.C., indicate that the following building materials were confirmed or assumed to contain asbestos greater than one percent (>1%) in content:

1. Expansion Joint Caulk (Prior Report)
2. Remnant Black Floor Tile Mastic (Prior Report)
3. Exterior Metal Fire Door Insulation (Prior Report)
4. Roofing Materials (Prior Report)

A summary of limited ACM survey results are included in Table D-1 (in Appendix D). A summary of positive ACM identified during the survey, including their location and quantity, is included in Table D-2 (in Appendix D).

6.1.1 Asbestos Containing Materials Recommendations

Asbestos containing materials must be properly removed by a licensed contractor prior to construction activities. Contractors and employees working in this building should be made aware of the possibility that concealed ACM may be found during renovation/demolition. They should be advised not to disturb known or suspect ACM without owner approval. Any concealed building materials discovered during maintenance or renovation activities, which are suspected to contain asbestos, should be sampled and analyzed to confirm the presence or absence of asbestos prior to disturbing.

7.0 ASSUMPTIONS AND LIMITATIONS

The results, findings, conclusions, and recommendations expressed in the report are based only on conditions that were noted on May 12, 2011 during STV's limited ACM survey of 2850 New York Avenue NE Facility, Washington, D.C.

Any conditions or materials that could not be visually identified on the surface were not inspected and may differ from those conditions or materials noted. It was not within the scope of the survey to remove surface materials to investigate portions of the structure or materials that lay beneath the surface. STV selection of sample locations and frequency of sampling was based on STV observations and the assumption that like materials in the same area are homogeneous in content.

The report is designed to aid the building owner, architect, construction manager, general contractors, and potential asbestos abatement contractors in locating ACM. Under no circumstances is the report to be utilized as a bidding document or as a project specification document.

The Scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user. Although every attempt has been made to identify suspect asbestos-containing materials in the areas identified, the non-destructive survey technique used is inherently limited in the sense that only full demolition procedures will reveal all building materials of a structure. Additionally, the passage of time may result in a change in the environmental characteristics at this site. The report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions and recommendations expressed in this report are based only on conditions that were observed during STV's survey of the site on May 12, 2011.

A P P E N D I X A

Inspector Certifications, Company License and Laboratory Certifications

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

DOUGLAS J GLORIE

CLASS(EXPIRES)

D INSP(04/12) I PO (04/12)

CERT# 04-00065

CMV# 154309473

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 5' 10"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

ROBERT E FIELDS

CLASS EXPIRES:

C/ITEC(05/11) C/RSP(05/11)

H/PM/(05/11) P/E (05/11)

DEPARTMENT OF LABOR

CERT# 10-10983

DMV# 744418592

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BRO
HGT 6' 00"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240

AIHA
Laboratory Accreditation Programs, LLC

May 26, 2009

Laboratory ID: 102843

Tonya Williams - Kassim
AmeriSci New York
117 East 30th Street
New York, NY 10016

Dear Ms. Williams - Kassim:

Congratulations! The AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC's Analytical Accreditation Board (AAB) has approved AmeriSci New York as an accredited Industrial Hygiene laboratory.

Enclosed, please find the IHLAP accreditation certificate, scope of accreditation document and a copy of the current AIHA-LAP, LLC license agreement (if your completed agreement is not on file at AIHA-LAP, LLC). The accreditation logo has been designed for use by all AIHA-LAP, LLC accredited laboratories. If your laboratory chooses to use the logo in its advertising the laboratory's accreditation, you must complete and return the AIHA-LAP, LLC license agreement to a Laboratory Accreditation Specialist. Once submitted, an electronic copy of the accreditation logo will be sent to you. Please inform us if your laboratory does not wish to use the logo in advertising.

Laboratory accreditation shall be maintained by continued compliance with IHLAP requirements *(see Policy Modules 2B and 6B)*, which includes proficient participation in the IHPAT programs for all Fields of Testing (FoTs) for which the laboratory is accredited. An accredited laboratory that wishes to expand into a new FoT must submit an updated accreditation application to AIHA-LAP, LLC for review by the AAB.

Any changes in ownership, laboratory location, personnel, FoTs/Methods, or significant procedural changes shall be reported to AIHA-LAP, LLC in writing within twenty (20) business days of the change.

The accreditation certificate is the property of AIHA-LAP, LLC and must be returned to us should your laboratory withdraw or be removed from the IHLAP.

Again, congratulations. If you have any questions, please contact Heather I. Thompson, Laboratory Accreditation Specialist, at (703) 846-0716.

Sincerely,

Cheryl O. Morton

Cheryl O. Morton
Director, Laboratory Quality Assurance Programs

Enclosure

AIHA

Laboratory Accreditation Programs, LLC

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

AmeriSci New York

117 East 30th Street, New York, NY 10016

Laboratory ID: 102843

has fulfilled the requirements of the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC thereby, conforming to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA-LAP, LLC in the following:

ACCREDITATION PROGRAMS

✓	**INDUSTRIAL HYGIENE**	Accreditation Expires: 06/01/2011
☐	**ENVIRONMENTAL LEAD**	Accreditation Expires:
☐	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires:
☐	**FOOD**	Accreditation Expires:

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with AIHA-LAP, LLC requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA-LAP, LLC website (www.aihaaccreditedlabs.org) for the most current status of the scope of accreditation.

Pamela A. Kostle

Pamela A. Kostle, CIH
Chairperson, Analytical Accreditation Board

Date Issued: 06/01/2009

AIHA Laboratory Accreditation Programs, LLC
SCOPE OF ACCREDITATION

AmeriSci New York
117 East 30th Street, New York, NY 10016

Laboratory ID: **102843**
Issue Date: 06/01/2009

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA-LAP, LLC website at: http://www.aihaaccreditedlabs.org

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 04/01/2001

IHLAP Category	Field of Testing (FoT)	Method	Method Description *(for internal methods only)*
Core Program Testing	Polarized Light Microscopy (PLM)	EPA 600/R-93/116	
	Phase Contrast Microscopy (PCM)	NIOSH 7400	

The laboratory participates in the following AIHA-LAP, LLC-approved proficiency testing programs:

- ☐ Metals
- ☐ Silica
- ✓ Asbestos
- ✓ Bulk Asbestos
- ☐ Beryllium
- ☐ WASP[1] (Thermal Desorption Tubes)
- ☐ Pharmaceutical Round Robin
- ☐ Compressed/Breathing Air Round Robin
- ☐ NVLAP (determined at the time of site assessment)
- ☐ Organic Solvents
- ☐ Diffusive Sampler (3M)
- ☐ Diffusive Sampler (SKC)
- ☐ Diffusive Sampler (AT)
- ☐ WASP[1] (Formaldehyde)

[1] Workplace Analytical Scheme for Proficiency

NVLAP® National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AmeriSci New York
DBA: AmeriSci New York
117 E. 30th Street
New York, NY 10016
Mr. Paul Mucha
Phone: 212-679-8600 Fax: 212-679-2711
E-Mail: pmucha@amerisci.com
URL: http://www.amerisci.com

BULK ASBESTOS FIBER ANALYSIS (PLM) **NVLAP LAB CODE 200546-0**

NVLAP Code	*Designation / Description*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

2010-07-01 through 2011-06-30
Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200546-0

AmeriSci New York

New York, NY

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2010-07-01 through 2011-06-30

Effective dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

Sally S. Bruce

For the National Institute of Standards and Technology

NVLAP-01C (REV. 2009-01-28)

A P P E N D I X B

Bulk Material Sampling Analytical Results

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

STV Incorporated
Attn: Doug Glorie
225 Park Avenue South

New York, NY 10003

Date Received 05/16/11 **AmeriSci Job #** 211053251
Date Examined 05/20/11 **P.O. #**
Page 1 **of** 8

RE: 3015141; DC Department Of Real Estate Service (DRES); 2850 New York Ave., NE Facility, Washington, D.C. - Washington Times Building, Renovation Of Six Metropolitan Police Department Units

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2850-0512-01 1	211053251-01 **Location:** CMU Mortar/ Rack Storage Room Wall	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-02 1	211053251-02 **Location:** CMU Mortar/ Warehouse Wall	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-03 1	211053251-03 **Location:** CMU Mortar/ Loading Dock Wall	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-04 2	211053251-04 **Location:** Brick Mortar/ Exterior West Facade	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-05 2	211053251-05 **Location:** Brick Mortar/ Exterior South Facade	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

3015141; DC Department Of Real Estate Service (DRES);
2850 New York Ave., NE Facility, Washington, D.C. -
Washington Times Building, Renovation Of Six Metropolitan
Police Department Units

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2850-0512-06	211053251-06	*No*	NAD
2	**Location:** Brick Mortar/ Exterior South Facade		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-07	211053251-07	*No*	NAD
3	**Location:** 6"X6" Brown Ceramic Tile Grout/ Lobby Storage Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-08	211053251-08	*No*	NAD
3	**Location:** 6"X6" Brown Ceramic Tile Grout/ Lobby Storage Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-09	211053251-09	*No*	NAD
3	**Location:** 6"X6" Brown Ceramic Tile Grout/ Lobby Storage Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-10	211053251-10	*No*	NAD
4	**Location:** Yellow Mastic Associated With Brown Ceramic Tile Covebase/ Lobby Storage Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-11	211053251-11	*No*	NAD
4	**Location:** Yellow Mastic Associated With Brown Ceramic Tile Covebase/ Lobby Storage Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

3015141; DC Department Of Real Estate Service (DRES);
2850 New York Ave., NE Facility, Washington, D.C. -
Washington Times Building, Renovation Of Six Metropolitan
Police Department Units

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2850-0512-12	211053251-12	*No*	NAD
4	**Location:** Yellow Mastic Associated With Brown Ceramic Tile Covebase/ Lobby		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
2850-0512-13	211053251-13	*No*	NAD
5	**Location:** Expansion Joint Floor/ Corridor At TCG Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80 %, Non-fibrous 20 %			
2850-0512-14	211053251-14	*No*	NAD
5	**Location:** Expansion Joint Floor/ Storage Locker Door		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80 %, Non-fibrous 20 %			
2850-0512-15	211053251-15	*No*	NAD
5	**Location:** Expansion Joint Floor/ Loading Dock Floor		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80 %, Non-fibrous 20 %			
2850-0512-16	211053251-16	*No*	NAD
6	**Location:** Paper Covering Over Fiberglass Duct Insulation/ Corridor At TCG Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Silver/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 10 %, Non-fibrous 50 %			
2850-0512-17	211053251-17	*No*	NAD
6	**Location:** Paper Covering Over Fiberglass Duct Insulation/ Fleet Services Office		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Silver/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 10 %, Non-fibrous 50 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

3015141; DC Department Of Real Estate Service (DRES);
2850 New York Ave., NE Facility, Washington, D.C. -
Washington Times Building, Renovation Of Six Metropolitan
Police Department Units

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2850-0512-18 6	211053251-18 **Location:** Paper Covering Over Fiberglass Duct Insulation/ Mezzanine Men's Locker Room	***No***	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Silver/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 10 %, Non-fibrous 50 %			
2850-0512-19 7	211053251-19 **Location:** Expansion Joint Wall/ Warehouse	***No***	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80 %, Non-fibrous 20 %			
2850-0512-20 7	211053251-20 **Location:** Expansion Joint Wall/ Warehouse	***No***	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80 %, Non-fibrous 20 %			
2850-0512-21 7	211053251-21 **Location:** Expansion Joint Wall/ Warehouse	***No***	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 80 %, Non-fibrous 20 %			
2850-0512-22 8	211053251-22 **Location:** Paper Covering Over Fiberglass Pipe Insulation/ Warehouse At Eyewash	***No***	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Silver/Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 10 %, Non-fibrous 50 %			
2850-0512-23 8	211053251-23 **Location:** Paper Covering Over Fiberglass Pipe Insulation/ Fleet Service Office	***No***	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Silver/Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 10 %, Non-fibrous 50 %			

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PLM Bulk Asbestos Report

3015141; DC Department Of Real Estate Service (DRES);
2850 New York Ave., NE Facility, Washington, D.C. -
Washington Times Building, Renovation Of Six Metropolitan
Police Department Units

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2850-0512-24 8	211053251-24 **Location:** Paper Covering Over Fiberglass Pipe Insulation/ Mezzanine Janitor's Closet	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Silver/Off White, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Fibrous glass 10 %, Non-fibrous 50 %			
2850-0512-25 9	211053251-25 **Location:** Black Vibration Cloth/ Ink Room Unit #1	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 35 %, Non-fibrous 65 %			
2850-0512-26 9	211053251-26 **Location:** Black Vibration Cloth/ Ink Room Unit #3	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 35 %, Non-fibrous 65 %			
2850-0512-27 9	211053251-27 **Location:** Black Vibration Cloth/ Ink Room Unit #3	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 35 %, Non-fibrous 65 %			
2850-0512-28 10	211053251-28 **Location:** Brown Wallpaper/ James Nickell Office	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Non-fibrous 60 %			
2850-0512-29 10	211053251-29 **Location:** Brown Wallpaper/ James Nickell Office	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Non-fibrous 60 %			

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PLM Bulk Asbestos Report

3015141; DC Department Of Real Estate Service (DRES);
2850 New York Ave., NE Facility, Washington, D.C. -
Washington Times Building, Renovation Of Six Metropolitan
Police Department Units

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2850-0512-30 10	211053251-30 **Location:** Brown Wallpaper/ James Nickell Office	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 40 %, Non-fibrous 60 %			
2850-0512-31 11	211053251-31 **Location:** Gray Linoleum/ Pre-Press Room	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 30 %, Non-fibrous 70 %			
2850-0512-32 11	211053251-32 **Location:** Gray Linoleum/ Pre-Press Room	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 30 %, Non-fibrous 70 %			
2850-0512-33 11	211053251-33 **Location:** Gray Linoleum/ Image And Scanning Storage Room	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey/Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 30 %, Non-fibrous 70 %			
2850-0512-34 12	211053251-34 **Location:** Brown Mastic Associated With Gray Linoleum/ Pre-Press Room	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
2850-0512-35 12	211053251-35 **Location:** Brown Mastic Associated With Gray Linoleum/ Pre-Press Room	*No*	NAD (by CVES) by David W. Roderick on 05/20/11
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

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PLM Bulk Asbestos Report

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Police Department Units

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2850-0512-36	211053251-36	*No*	NAD
12	**Location:** Brown Mastic Associated With Gray Linoleum/ Image And Scanning Storage Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
2850-0512-37	211053251-37	*No*	NAD
13	**Location:** Gray With Silver Flecks Flooring Material/ Image And Scanning Storage Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			
2850-0512-38	211053251-38	*No*	NAD
13	**Location:** Gray With Silver Flecks Flooring Material/ Image And Scanning Storage Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			
2850-0512-39	211053251-39	*No*	NAD
13	**Location:** Gray With Silver Flecks Flooring Material/ Image And Scanning Storage Room		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Fibrous glass Trace, Non-fibrous 100 %			
2850-0512-40	211053251-40	*No*	NAD
14	**Location:** Black Expansion Joint Under Gray Caulk/ Exterior Facade		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			
2850-0512-41	211053251-41	*No*	NAD
14	**Location:** Black Expansion Joint Under Gray Expansion Joint Caulk/ Exterior Facade		(by CVES) by David W. Roderick on 05/20/11
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Non-fibrous 85 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

3015141; DC Department Of Real Estate Service (DRES);
2850 New York Ave., NE Facility, Washington, D.C. -
Washington Times Building, Renovation Of Six Metropolitan
Police Department Units

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
2850-0512-42	211053251-42	*No*	NAD
14	**Location:** Black Expansion Joint Under Gray Caulk/ Exterior Facade		(by CVES) by David W. Roderick on 05/20/11

Analyst Description: Black, Homogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 15 %, Non-fibrous 85 %

Reporting Notes:
Analyzed by: David W. Roderick

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop; PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab Code 200546-0), ELAP PLM Method 198.1 for NY friable samples or 198.6 for NOB samples (NY ELAP Lab ID11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab. This PLM report relates ONLY to the items tested. AIHA Lab # 102843.

Reviewed By:_____ END OF REPORT

STV INCORPORATED

ASBESTOS SURVEY DATA SHEET/ CHAIN OF CUSTODY

PROJECT NO.: 3015141
CLIENT: DC Department of Real Estate Services (DRES)
PROJECT SITE: 2850 New York Ave NE Facility, Washington, D.C.
Project Manager: D. Glorie

LOCATION(S) SURVEYED: Washington Times Building
PROPOSED PROJECT: Renovations of six metropolitan police department units
DATE(S) OF INSPECTION: 5/12/2011
Inspector(s): D. Glorie, R. Fields

STV Incorporated
225 Park Avenue South, New York, NY 10003
Phone : 212-505-4930 / Fax: 212-529-5237

RESULTS TO: D. Glorie **FAX No.:** 212-529-5237
Douglas.glorie@stvinc.com

TURNAROUND TIME: 5 Day
☐ 4 HR. ☐ 12 HR. ☐ 24 HR. ☐ 48 H

HA	SAMPLE NO.	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX. QUANTITY (LF/SF)	FIELD NOTES
1	2850-0512-01	CMU Mortar	Rack Storage Room Wall		
1	2850-0512-02	CMU Mortar	Warehouse Wall		
1	2850-0512-03	CMU Mortar	Loading Dock Wall		
2	2850-0512-04	Brick Mortar	Exterior – West Façade	211053251	
2	2850-0512-05	Brick Mortar	Exterior – South Façade		
2	2850-0512-06	Brick Mortar	Exterior – South Façade		
3	2850-0512-07	6"x6" Brown Ceramic Tile Grout	Lobby Storage Room		
3	2850-0512-08	6"x6" Brown Ceramic Tile Grout	Lobby Storage Room		
3	2850-0512-09	6"x6" Brown Ceramic Tile Grout	Lobby Storage Room		
4	2850-0512-10	Yellow Mastic associated with Brown Ceramic Tile Cove Base	Lobby Storage Room		
4	2850-0512-11	Yellow Mastic associated with Brown Ceramic Tile Cove Base	Lobby Storage Room		
4	2850-0512-12	Yellow Mastic associated with Brown Ceramic Tile Cove Base	Lobby		

CHAIN OF CUSTODY

Relinquished by:	(Sign)			Relinquished by: (print)	(Sign)			Relinquished by: (print)	(Sign)		
Doug Glorie		4/16/11	AM/PM			/ /	AM/PM			/ /	
Received by: (print)	(Sign)	5/16	1107 AM/PM	Received by: (print)	(Sign)	/ /	AM/PM	Received by: (print)	(Sign)	/ /	

GENERAL ES: All inconclusive NOBs to be analyzed by TEM. Please stop at 1 sitive in any homogeneous group.

STV | STV INCORPORATED

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☐ 4 HR. ☐ 12 HR. ☐ 24 HR. ☐ 48 H

HA	SAMPLE NO.	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX. QUANTITY (LF/SF)	FIELD NOTES
5	2850-0512-13	Expansion Joint – Floor	Corridor at TCG Room		
5	2850-0512-14	Expansion Joint – Floor	Storage Locker Door		
5	2850-0512-15	Expansion Joint – Floor	Loading Dock Floor		
6	2850-0512-16	Paper Covering over Fiberglass Duct Insulation	Corridor at TCG Room	211053251	
6	2850-0512-17	Paper Covering over Fiberglass Duct Insulation	Fleet Services Office		
6	2850-0512-18	Paper Covering over Fiberglass Duct Insulation	Mezzanine Men's Locker Room		
7	2850-0512-19	Expansion Joint – Wall	Warehouse		
7	2850-0512-20	Expansion Joint – Wall	Warehouse		
7	2850-0512-21	Expansion Joint – Wall	Warehouse		
8	2850-0512-22	Paper Covering over Fiberglass Pipe Insulation	Warehouse at Eyewash		
8	2850-0512-23	Paper Covering over Fiberglass Pipe Insulation	Fleet Service Office		
8	2850-0512-24	Paper Covering over Fiberglass Pipe Insulation	Mezzanine Janitor's Closet		

CHAIN OF CUSTODY

Relinquished by: (print)	(Sign)			Relinquished by: (print)	(Sign)			Relinquished by: (print)	(Sign)		
Doug Glorie		5/16/11	AM/PM			/ /	AM/PM			/ /	
Received by: (print)	(Sign)			Received by: (print)	(Sign)			Received by: (print)	(Sign)		
[illegible]		5/16/11	1107 AM/PM			/ /	AM/PM			/ /	

GENERAL NOTES: All inconclusive NOBs to be analyzed by TEM. Please stop at [illegible] positive in any homogeneous group.

STV INCORPORATED

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☐ 4 HR. ☐ 12 HR. ☐ 24 HR. ☐ 48 H

HA	SAMPLE NO.	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX. QUANTITY (LF/SF)	FIELD NOTES
9	2850-0512-25	Black Vibration Cloth	Ink Room, Unit #1		
9	2850-0512-26	Black Vibration Cloth	Ink Room, Unit #3		
9	2850-0512-27	Black Vibration Cloth	Ink Room, Unit #3		
10	2850-0512-28	Brown Wallpaper	James Nickell Office		
10	2850-0512-29	Brown Wallpaper	James Nickell Office	211053251	
10	2850-0512-30	Brown Wallpaper	James Nickell Office		
11	2850-0512-31	Gray Linoleum	Pre-Press Room		
11	2850-0512-32	Gray Linoleum	Pre-Press Room		
11	2850-0512-33	Gray Linoleum	Image and Scanning Storage Room		
12	2850-0512-34	Brown Mastic associated with Gray Linoleum	Pre-Press Room		
12	2850-0512-35	Brown Mastic associated with Gray Linoleum	Pre-Press Room		
12	2850-0512-36	Brown Mastic associated with Gray Linoleum	Image and Scanning Storage Room		

CHAIN OF CUSTODY

Relinquished by:	(Sign)			Relinquished by: (print)	(Sign)	/ /	AM/PM	Relinquished by: (print)	(Sign)	/ /
Doug Glorie		5/16/11	AM/PM							
Received by: (print)	(Sign)	5/16	1107 AM/PM	Received by: (print)	(Sign)	/ /	AM/PM	Received by: (print)	(Sign)	/ /

GENERAL ES: All inconclusive NOBs to be analyzed by TEM. Please stop at 1 sitive in any homogeneous group.

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TURNAROUND TIME: 5 Day
☐ 4 HR. ☐ 12 HR. ☐ 24 HR. ☐ 48 I

HA	SAMPLE NO.	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX. QUANTITY (LF/SF)	FIELD NOTES
13	2850-0512-37	Gray with Silver Flecks Flooring Material	Image and Scanning Storage Room		
13	2850-0512-38	Gray with Silver Flecks Flooring Material	Image and Scanning Storage Room		
13	2850-0512-39	Gray with Silver Flecks Flooring Material	Image and Scanning Storage Room		
14	2850-0512-40	Black Expansion Joint under Gray Caulk	Exterior Facade		
14	2850-0512-41	Black Expansion Joint under Gray Expansion Joint Caulk	Exterior Facade		
14	2850-0512-42	Black Expansion Joint under Gray Caulk	Exterior Facade		
				2110532511	

CHAIN OF CUSTODY

Relinquished by:	(Sign)			Relinquished by: (print)	(Sign)			Relinquished by: (print)	(Sign)		
Doug Glorie		5/16/11	AM/PM			/ /	AM/PM			/ /	
Received by: (print)	(Sign)			Received by: (print)	(Sign)			Received by: (print)	(Sign)		
		5/16/11 1107	AM/PM			/ /	AM/PM			/ /	

GENERAL ES: All inconclusive NOBs to be analyzed by TEM. Please stop at 1 sitive in any homogeneous group.

A P P E N D I X C

Previous Survey Report

HAZARDOUS MATERIALS

BACKGROUND

Froehling and Robertson (F&R) was contracted by Atelier Architects to perform a limited, non-destructive hazardous materials survey of select areas of the former Washington Times Warehouse, located at 2850 New York Ave, NE in Washington, DC. This survey includes a limited sampling of the 1st and 2nd floor offices located in the southwest corner of the building which are currently occupied by District of Columbia government agencies. The survey was performed by Environmental Protection Agency-Asbestos Hazard Emergency Response Act (EPA-AHERA) accredited asbestos building inspector and District of Columbia licensed lead inspector, Alan Lederman, on July 13th, 15th, and 16th, 2010.

The scope of the hazardous materials survey at the former Washington Times Warehouse consisted of the following items only:

- Non-invasive survey for suspect asbestos-containing materials (ACMs)
- Screening of surface coatings that may contain lead-based paint (LBP)
- Collection of lead dust wipes on select surfaces
- Non-invasive Inventory of suspect PCB-containing and mercury-containing components

The following were outside of the scope of our services; however F&R made some on-site observations where feasible to provide Atelier Architects and DC Department of Real Estate Services (DRES) with as much information as possible about this facility:

- Sub-surface soil and groundwater investigation
- Indoor air quality investigation
- Chemical and hazardous waste inventory
- Environmental records review
- All other services not specifically referenced as being part of this investigation

ASBESTOS-CONTAINING MATERIAL (ACM)

1. Methodology

For this project, a non-invasive visual survey and sampling for suspect ACM was conducted at the above referenced site. All samples were collected in general accordance with EPA-AHERA protocols and submitted under chain of custody to EMSL Analytical, Inc. (EMSL) located in Beltsville, Maryland, for analysis. EMSL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) to analyze suspect asbestos-containing bulk materials. A total of fifty-seven (57) bulk samples were collected and analyzed using Polarized Light Microscopy (PLM) via EPA Method 600/R-93/116.

2. Sampling Results

TABLE 1
ACM LABORATORY RESULTS

Sample #	Sample Location	Sample Description	Analytical Results
2850-01	Warehouse 1st Floor Offices	12”x12” White Vinyl Floor Tile with Black Flecks	No Asbestos Detected

TABLE 1 ACM LABORATORY RESULTS			
Sample #	**Sample Location**	**Sample Description**	**Analytical Results**
2850 -02	Warehouse 1st Floor Offices	Black Floor Tile Mastic	No Asbestos Detected
2850 -03	Warehouse 1st Floor Offices	12”x12” Blue Vinyl Floor Tile with White Flecks	No Asbestos Detected
2850 -04	Warehouse 1st Floor Offices	Black Floor Tile Mastic	No Asbestos Detected
2850 -05	Warehouse Mezzanine Offices	12”x12” Gray Vinyl Floor Tile with Black Flecks	No Asbestos Detected
2850 -06	Warehouse Mezzanine Offices	Brown Floor Tile Mastic	No Asbestos Detected
2850 -07	Warehouse Stairwell at Front Entrance	12”x12” Solid Gray Vinyl Floor Tile	No Asbestos Detected
2850 -08	Warehouse Stairwell at Front Entrance	Brown Mastic	No Asbestos Detected
2850 -09	Northwest Corner Offices	12”x12” Gray Vinyl Floor Tile with White Flecks	No Asbestos Detected
2850 -10	Northwest Corner Offices	Tan Carpet Mastic	No Asbestos Detected
2850 -11	2nd Floor Southwest Offices	Sheetrock	No Asbestos Detected
2850 -12	2nd Floor Southwest Offices	Sheetrock Joint Compound	No Asbestos Detected
2850 -13	2nd Floor Southwest Offices	White 2’x2’ Ceiling Tile	No Asbestos Detected
2850 -14	1st Floor Southwest Offices	Sheetrock	No Asbestos Detected
2850-15	1st Floor Southwest Offices	Sheetrock Joint Compound	No Asbestos Detected
2850 -16	1st Floor Southwest Offices	12”x12” Purple Vinyl Floor Tile	No Asbestos Detected
2850-17	1st Floor Southwest Offices	Stairwell Plaster	No Asbestos Detected
2850-18	1st Floor Southwest Offices	Stairwell Plaster	No Asbestos Detected
2850-19	1st Floor Southwest Offices	Stairwell Plaster	No Asbestos Detected
2850-20	**1st Floor Southwest Offices**	**Exterior Window Caulk**	**20% Chrysotile**
2850-21	Warehouse Mezzanine Offices	White 2’x4’ Ceiling Tile	No Asbestos Detected
2850-22	Warehouse Mezzanine Offices	Sheetrock	No Asbestos Detected
2850-23	Warehouse Mezzanine Offices	Sheetrock Joint Compound	No Asbestos Detected
2850-24	Warehouse Mezzanine Offices	Gray 2’x4’ Ceiling Tile	No Asbestos Detected

TABLE 1 ACM LABORATORY RESULTS			
Sample #	**Sample Location**	**Sample Description**	**Analytical Results**
2850-25	Warehouse Mezzanine Offices	White Sink Basin Coating	No Asbestos Detected
2850-26	Warehouse Mezzanine Catwalk	White Pipe Seam Sealant	No Asbestos Detected
2850-27	Warehouse Mezzanine Offices	White Duct Seam Sealant	No Asbestos Detected
2850-28	Warehouse Northeast Corner	Sheetrock	No Asbestos Detected
2850-29	Warehouse Northeast Corner	Sheetrock Joint Compound	No Asbestos Detected
2850-30	South Central Garage Door Bay	Sheetrock	No Asbestos Detected
2850-31	South Central Garage Door Bay	Sheetrock Joint Compound	No Asbestos Detected
2850-32	Warehouse Storage	Sheetrock on Cinderblock Columns	No Asbestos Detected
2850-33	Warehouse Storage	Sheetrock Joint Compound on Cinderblock Columns	No Asbestos Detected
2850-34	Northwest Corner Offices	Sheetrock	No Asbestos Detected
2850-35	Northwest Corner Offices	Sheetrock Joint Compound	No Asbestos Detected
2850-36	**South Exterior Wall**	**Expansion Joint Caulk**	**18% Chrysotile**
2850-37	Dispatch Office	Exterior Window Caulk	No Asbestos Detected
2850-38	Northeast Corner Building Entrance	Exterior Door Caulk	No Asbestos Detected
2850-39	**Warehouse Mezzanine Offices**	**Remnant Black Floor Tile Mastic**	**3% Chrysotile**
2850-40	Warehouse Mezzanine Offices	Tan Duct Seam Sealant	No Asbestos Detected
2850-41	Warehouse Mezzanine Offices	Vinyl Covebase	No Asbestos Detected
2850-42	Warehouse Mezzanine Offices	Vinyl Covebase Mastic	No Asbestos Detected
2850-43	Warehouse Mezzanine Offices	Rubber Flooring	No Asbestos Detected
2850-44	Warehouse 1st Floor Offices-Ceiling Deck	Gray Spray-On Fireproofing	No Asbestos Detected
2850-45	Warehouse 1st Floor Offices-Ceiling Deck	Gray Spray-On Fireproofing	No Asbestos Detected
2850-46	Warehouse 1st Floor Vertical I-Beams Adjacent to Offices	Gray Spray-On Fireproofing	No Asbestos Detected
2850-47	Warehouse 1st Floor Horizontal I-Beams Adjacent to Offices	Gray Spray-On Fireproofing	No Asbestos Detected

TABLE 1 ACM LABORATORY RESULTS			
Sample #	**Sample Location**	**Sample Description**	**Analytical Results**
2850-48	Warehouse 1st Floor at Southeast Corner Entrance-Ceiling Deck	Gray Spray-On Fireproofing	No Asbestos Detected
2850-49	Warehouse 1st Floor East End-Ceiling Deck	Gray Spray-On Fireproofing	No Asbestos Detected
2850-50	Warehouse 1st Floor East End-Vertical I-Beam	Gray Spray-On Fireproofing	No Asbestos Detected
2850-51	Warehouse 1st Floor East End-Horizontal I-Beam	Gray Spray-On Fireproofing	No Asbestos Detected
2850-52	Warehouse 1st Floor East End-Ceiling Deck	Gray Spray-On Fireproofing	No Asbestos Detected
2850-53	Generator Room	Generator Breeching Insulation	No Asbestos Detected
2850-54	Generator Room	Generator Breeching Insulation	No Asbestos Detected
2850-55	Generator Room	Generator Breeching Insulation	No Asbestos Detected
2850-56	Warehouse Storage Space	Interior Door Insulation	No Asbestos Detected
2850-57	Warehouse Storage Space	Tan Drywall Mastic on Cinderblock Columns	No Asbestos Detected

Please see **Table 2** below for a summary of the ACM located within the surveyed areas of the former Washington Times Warehouse.

TABLE 2 ACM SUMMARY					
Sample Description	**Location**	**Estimated Quantity**	**Friable?**	**Condition**	**Asbestos Content**
Expansion Joint Caulk	Expansion Joints Throughout Exterior	250 Linear Feet	No	Fair	18% Chrysotile
Remnant Black Floor Tile Mastic	Warehouse Mezzanine Offices	1,500 Square Feet	No	Fair	3% Chrysotile
Exterior Metal Fire Door Insulation	Exterior Metal Doors	5	Yes	Unknown	Presumed ACM

F&R offers the following observations in regards to the information presented in **Table 2:**

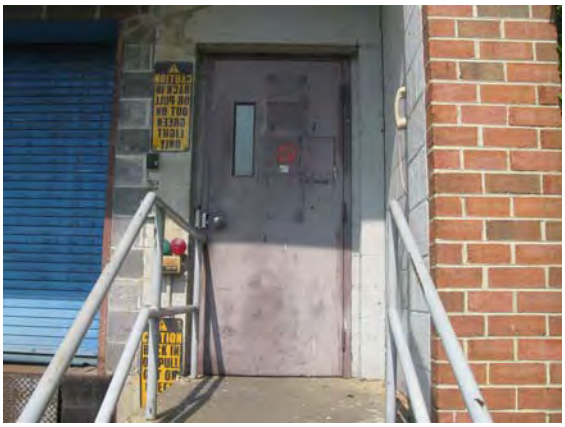
- Asbestos-containing window caulk was identified on the southwest corner of the building, however as directed by DC Department of Real Estate Services (DRES), this area is outside of the scope our survey. No window caulk similar to the identified asbestos-containing caulk was identified within the project scope area.

- Areas behind solid walls and ceilings were inaccessible and could not be visually surveyed for the presence of ACM. ACM including, but not limited to, thermal pipe and pipe fitting insulation may exist in these locations.

- The estimates provided are preliminary and are not meant for contractor bidding purposes. Additional and/or greater quantities of these ACM's may be discovered during renovation/demolition activities. Additional field verification will be needed to confirm these quantities.

- This survey excluded the 1st and 2nd floor offices located in the southwest corner of the building which are currently occupied by District of Columbia government agencies. If renovation/demolition activities are to take place in these areas an asbestos survey of these areas should be performed.

Photograph 1: Asbestos-containing remnant black floor tile mastic



Photograph 2: Suspect asbestos-containing exterior fire door

LEAD

1. Methodology

Lead-Based Paint Screening

A lead-based paint (LBP) screening was performed to test a representative number of painted surfaces for the presence of lead. The testing was conducted by using a Niton XL-309 X-Ray Fluorometer (XRF) Lead Paint Analyzer. The XRF contains a small radioisotopic source and operates on the principle of x-ray fluorescence, whereby lead atoms in paint are stimulated to emit characteristic x-rays, which are then detected by the instrument. The XRF can measure surface or non-surface concentrations of lead with 95% accuracy at the District of Columbia action level of 1.0 mg/cm^2. Levels of lead are reported in units of milligrams per square centimeter (mg/cm^2). The XRF is able to accurately detect as little as 0.1 mg/cm^2 of lead. The XRF classifies painted surfaces as "positive" or "negative" for lead content based on the District of Columbia action level (1.0 mg/cm^2) and the performance characteristics of the XRF.

Positive: Lead is present at or above the District of Columbia action level of 1.0 mg/cm^2 on *one or more* layers of paint on a specific component.

Negative: Lead is not present at or above the District of Columbia action level of 1.0 mg/cm^2 in any layer of paint on a specific component.

The survey was conducted using the methodology recommended by the U.S. EPA/Department of Housing and Urban Development (HUD). <u>It is important to note that this survey was not a</u>

comprehensive, surface-by-surface evaluation, but rather a screening survey of major painted components, which may contain LBP.

Lead Wipe Sampling

F&R collected lead dust wipe samples in areas of the building with heavy ink staining. The samples were collected utilizing American Society for Testing and Materials (ASTM) Standard E1792-96a approved wipes and were collected within a one square foot template to determine the lead concentration in micrograms per square foot (ug/ft^2). The samples were analyzed by EMSL Analytical, Inc. (EMSL) located in Beltsville, Maryland, an Environmental Lead Laboratory Accreditation Program (ELLAP) accredited laboratory, utilizing Flame Atomic Absorption Spectrometry (AAS) via EPA Method SW 846 3050B*/7000B).

2. Results

Lead-Based Paint Screening

A total of 48 readings were taken as part of this survey. Based on the results of this survey, the following surfaces should be assumed to contain LBP or lead-based glazing (defined as having a concentration above the District of Columbia Action Level of 1.0 milligrams per square centimeter):

- White ceramic wall tile in warehouse mezzanine level restrooms
- Orange and white metal I-Beams throughout
- Metal door lintels

The following surfaces were determined to contain lead-containing paint (paint with detectable lead concentrations but below the District of Columbia Action Level):

- Blue metal stair stringer in northeast corner stairwell
- Red metal lockers in warehouse mezzanine level locker rooms

Photograph 3: Metal window lintel with lead-based paint.

Photograph 4: Ceramic wall tile with lead-based glazing.

Lead Wipe Sampling

Please find the results of the lead wipe analysis in Table 3 below:

TABLE 3
LEAD WIPE ANALYSIS

Sample Location	Lead Concentration
Central Garage Door Bay-East Wall	12 ug/ft^2
Ink Mixing Tank Berm	640 ug/ft^2
Central Main Warehouse Floor	<10 ug/ft^2
Warehouse Machine and Electric Shop	14 ug/ft^2
Main Warehouse-East Wall	11 ug/ft^2

F&R is not aware of any lead in dust standards for a government or commercial use space such as this one. That being the case, F&R compared the results of the lead dust wipes to EPA/HUD standards for residential properties with children six years of age and under. All of the lead dust wipe samples collected contained lead concentrations below the EPA/HUD standard for floors with child occupied housing of 40 ug/ft^2 with the exception of the sample collected from the Ink Mixing Tank Berm area.

Photograph 5: Ink mixing tank berm with standing pools of ink.

3. Applicable Regulations and Recommendations

Lead-Based Paint

Positive and negative lead-based paint results are based on District of Columbia Guidelines. It is important to note that even if a component is negative based on the District of Columbia's standard, it 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 millimeter (ug/m^3) 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). Under OSHA requirements, the contractor performing the work will be required to conduct this monitoring and follow all of the other requirements found under 29 CFR 1926.62.

Based on the levels of lead found on painted building components at the former Washington Times Warehouse, it is anticipated that these components can be disposed of as non-hazardous waste. However, it is recommended that a Toxic Characteristic Leaching Procedure (TCLP) sample of the waste stream from demolition and renovation activities be collected to verify compliance with Resource Conservation and Recovery Act (RCRA) regulations related to lead. Should painted components from this facility be sent to a recycling facility, this report should be made available to the accepting facility to properly notify them of the lead content of these components. Please note that compliance with RCRA regulations does not relieve the demolition contractor of the personnel air monitoring and respiratory protection required under 29 CFR 1926.62.

Lead Contamination From Printing Operations

F&R recommends that all areas of standing ink and sludge be remediated by a licensed hazardous waste contractor. The effectiveness of these efforts should be evaluated utilizing clearance through surface wipe sampling. Furthermore, F&R recommends that air sampling in this space be conducted prior to occupancy to determine if the printing operations have resulted in off-gassing of such contaminants as Volatile Organic Compounds (VOCs).

PCBS

1. Methodology

Light ballasts are the electrical components attached to fluorescent light fixtures usually found under a metal cover plate. Prior to 1978, ballasts were commonly manufactured with polychlorinated biphenyls (PCBs). PCBs were used in fluorescent light ballasts because of their electrical insulating properties. Ballasts made after 1978 are usually marked "Non-PCB." F&R conducted a visual non-invasive survey to identify if the “Non-PCB” label was present on ballasts throughout the building.

2. Results

F&R observed fluorescent lighting fixtures throughout the building and inspected a representative number for the “Non-PCB” label. F&R observed the “Non-PCB” label on all of the ballasts inspected. F&R recommends that all fluorescent light ballasts fixtures in the building that do not contain the “Non-PCB” label be assumed to contain PCBs. Ballasts with a clearly marked “Non-PCB” are not regulated and can be disposed of with general construction and demolition debris. The light fixtures without the “Non-PCB” labeling should be removed, disposed of and/or recycled according to Federal and District of Columbia waste disposal guidelines, by an appropriately licensed/certified contractor.

MERCURY-CONTAINING COMPONENTS

1. Methodology

Mercury is used in several building components including fluorescent lamps, high-intensity discharge (HID) lamps, thermostats and thermometers. F&R conducted a visual non-invasive survey to identify mercury-containing components throughout the building.

2. Results

During this survey, F&R personnel observed the following building components suspected to contain mercury in the surveyed portions of the building:

- Approximately one thousand, six hundred (1,600) fluorescent lamps located throughout the building
- Approximately forty (40) HID lamps located throughout the building
- Three (3) thermometers associated with mechanical equipment in the 1st floor warehouse space mechanical room
- Eight (8) thermostats throughout the building with mercury switches.

The mercury-containing building components that are to be impacted as part of renovation/demolition activities should be removed, disposed of and/or recycled according to Federal and District of Columbia hazardous waste disposal guidelines by an appropriately licensed/certified contractor.

Photograph 6: Thermostat with mercury-containing switches.

Photograph 7: Mercury-containing HID lamp.

MISCELLANEOUS NON-SCOPE ITEMS

During our survey, F&R observed chemicals, waste products, and stained walls and floors that were indicative of the building's former use as a printing facility. These items included:

- 55-gallon drums of solvents located throughout the building
- 55-gallon drums of used ink rags located throughout the building
- Photo processing chemicals in the northwest corner offices
- Ink stained walls and floors with the heaviest staining being in the ink tank mixing room and the photo processing room in the northwest corner offices
- Piping troughs in the main warehouse area with a heavy black sludge accumulated on the bottom

F&R recommends that all waste products be removed from the site by a licensed hazardous waste contractor. All chemicals that will not be utilized by the next building tenant should either be removed from the site by the current owner or disposed of by a licensed hazardous waste contractor. Should the next building tenant utilize any of the chemicals left on-site, these chemicals should be kept in an appropriate storage area such as a Flammable Cabinet.

Areas of the building with standing ink or sludge, specifically the ink tank mixing area, the photo processing room in the northwest corner offices, and the piping troughs located in the main warehouse area, should be remediated by a District of Columbia Licensed Hazardous Waste Contractor. The effectiveness of these efforts should be evaluated utilizing clearance through surface wipe sampling. Air sampling is recommended before the next tenant moves into this space to determine if the printing operations have resulted in off-gassing of such contaminants as Volatile Organic Compounds (VOCs).

Should any earth moving activities or dewatering activities take place on this site, it is recommended that the soil and groundwater on-site be evaluated to determine if the former printing operations have impacted soil and groundwater.

Photograph 8: Piping troughs with standing sludge in main warehouse.

Photograph 9: Photo processing room in northwest corner offices.

CONCLUSIONS AND RECOMMENDATIONS

F&R has the following recommendations to make in regards to hazardous materials at the former Washington Times warehouse:

TABLE 4
HAZARDOUS MATERIALS RECOMMENDATION TABLE

Finding No.	Location	Issue	Regulation/Guideline	Recommendation
1	Exterior and Warehouse Mezzanine Offices	Asbestos-containing expansion joint caulk on building exterior, remnant black floor tile mastic in warehouse mezzanine offices, and suspect asbestos-containing metal fire doors on building exterior.	EPA National Emission Standard for Hazardous Air Pollutants (NESHAP)	These materials can be left in place under an Asbestos Operations & Maintenance (O&M) Program provided that these materials remain undamaged and are not impacted by renovation/demolition activities. If these materials become damaged or are to be impacted by renovation/demolition activities they should be removed by a District of Columbia Licensed Asbestos Abatement Contractor.
2	Throughout	Lead-based paint was identified on metal I-Beams throughout, metal window lintels throughout, and white ceramic wall tiles in the warehouse 2nd floor offices.	EPA Resource Conservation and Recovery Act (RCRA)/OSHA Lead in Construction Rule	These materials can be left in place under a Lead Operations & Maintenance (O&M) Program provided that the paint/glazing on these surfaces remains in an undamaged condition. Should the paint or glaze on these surfaces become damaged these components should be repaired or replaced by a District of Columbia Licensed Lead Abatement Contractor. Any contractor impacting these surfaces during renovation or demolition activities should follow all worker protection requirements under the OSHA Lead in Construction Rule.

TABLE 4
HAZARDOUS MATERIALS RECOMMENDATION TABLE

Finding No.	Location	Issue	Regulation/Guideline	Recommendation
3	Throughout	Areas of pooled ink and sludge	EPA Resource Conservation and Recovery Act (RCRA)	F&R recommends that all areas of standing ink and sludge be remediated by a District of Columbia Licensed Hazardous Waste Contractor. The effectiveness of these efforts should be evaluated utilizing clearance through surface wipe sampling. Furthermore, F&R recommends that air sampling in this space be conducted prior to occupancy to determine if the printing operations have resulted in off-gassing of such contaminants as Volatile Organic Compounds (VOCs).
4	Throughout	Potentially PCB-containing light ballasts.	EPA Resource Conservation and Recovery Act (RCRA)	Ballasts can remain in place; however they should be checked for the "Non-PCB" label prior to disposal associated with renovation activities. Those ballasts that contain the label can be disposed of as non-hazardous waste. Those ballasts that do not contain the label should be disposed of PCB waste or recycled by a licensed hazardous waste contractor.
5	Throughout	The following building components are located within the building which are suspected to contain mercury: approximately 1,600 fluorescent light ballasts throughout the building, approximately 40 HID lamps throughout the building, 3 thermometers associated with mechanical equipment in the 1st floor warehouse space, 8 thermostats throughout the building with mercury switches.	EPA Resource Conservation and Recovery Act (RCRA)	These components can stay in place, however if they are to be impacted by renovation or demolition activities they should either be recycled or disposed of as mercury-containing waste by a licensed hazardous waste contractor.

TABLE 4
HAZARDOUS MATERIALS RECOMMENDATION TABLE

Finding No.	Location	Issue	Regulation/Guideline	Recommendation
6	Throughout	Miscellaneous chemicals and wastes associated with printing operations.	EPA Resource Conservation and Recovery Act (RCRA)	F&R recommends that all waste products be removed from the site by a licensed hazardous waste contractor. All chemicals that will not be utilized by the next building tenant should either be removed from the site by the current owner or disposed of by a licensed hazardous waste contractor. Should the next building tenant utilize any of the chemicals left on-site, these chemicals should be kept in an appropriate storage area such as a Flammable Cabinet. Areas of the building with standing ink or sludge, specifically the ink tank mixing area, the photo processing room in the northwest corner offices, and the piping troughs located in the main warehouse area, should be remediated by a licensed hazardous waste contractor. The effectiveness of these efforts should be evaluated utilizing clearance through surface wipe sampling. Air sampling is recommended before the next tenant moves into this space to determine if the printing operations have resulted in off-gassing of such contaminants as Volatile Organic Compounds (VOCs). Should any earth moving activities or dewatering activities take place on this site, it is recommended that the soil and groundwater on-site be evaluated to determine if the former printing operations have impacted soil and groundwater.

LIMITATIONS

This report has been prepared for the exclusive use by Atelier Architects and their associates. This service was performed in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made.

Our conclusions and recommendations are based, in part, upon information provided to us by others and on our site observations. We have not verified the completeness or accuracy of the information provided by others, unless otherwise noted. Our observations and recommendations are based upon conditions readily visible at the site at the time of our site visit, and upon current industry standards. During F&R's non-invasive inspection, accessible areas were visually surveyed for the presence of suspected ACM, LBP, PCB-containing Light Ballasts and Mercury-containing components. Inaccessible areas, such as behind solid walls or above solid ceiling were not surveyed and therefore suspected ACM may be present in those areas. Areas inspected for the above-referenced materials were limited to those designated by the client.

To preserve the integrity of the roof structure, the roofs were not sampled. The investigation was based on materials found in building above soil level. Any materials buried underneath the foundation were not accessible and will be considered to be an asbestos containing material until sampling rebuts the assumption.

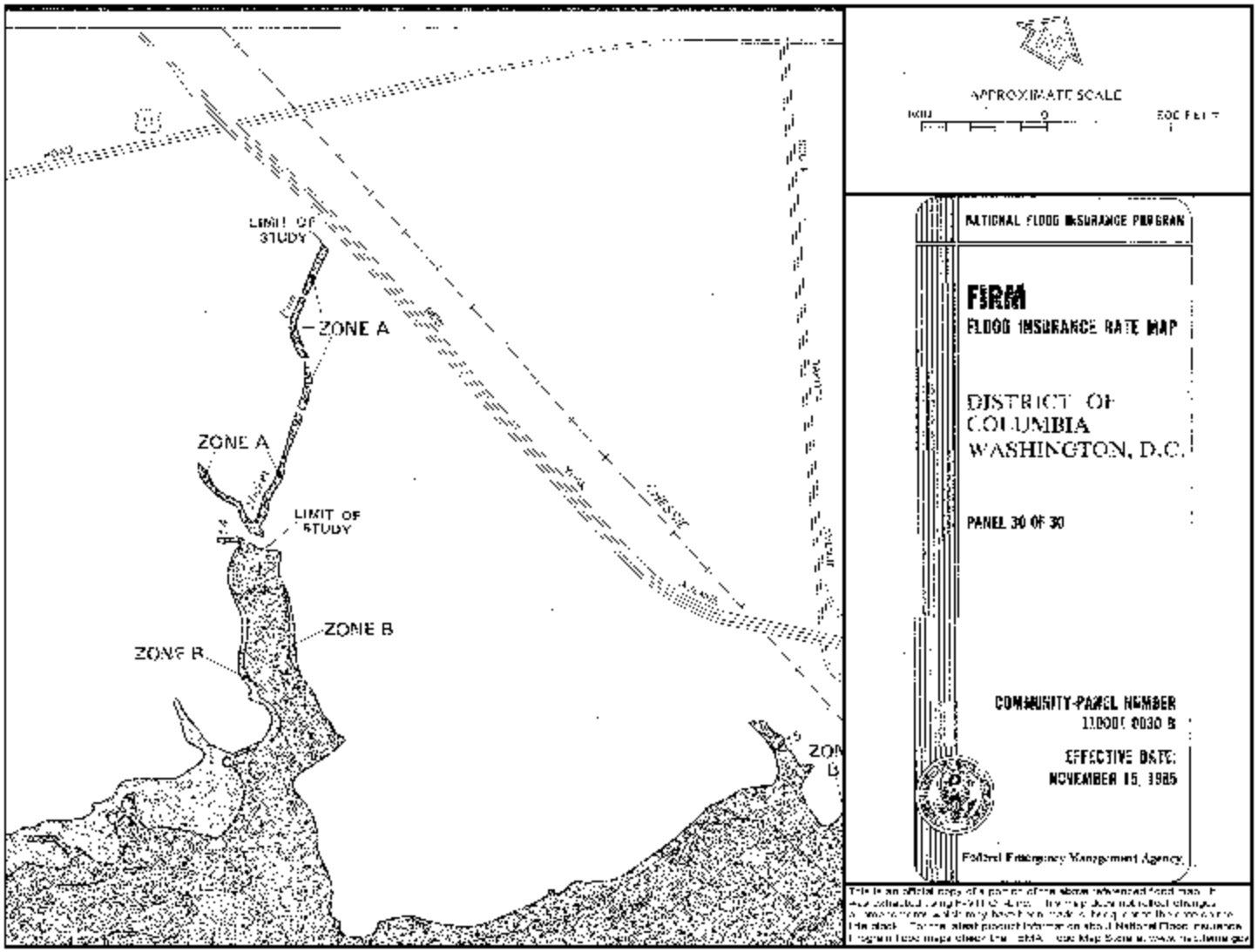
During this study, suspect material samples were analyzed for asbestos and/or lead. As with any similar survey of this nature, actual conditions exist only at the precise locations from which suspect samples were collected. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. No other warranty, expressed or implied, is made.

Under this scope of services, F&R assumes no responsibility regarding response actions (e.g. O&M Plans, Encapsulation, Abatement, Removal, Notifications, 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 these regulations. Compliance with regulations is the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements, whichever is more stringent. All abatement activities or response actions should be performed by appropriately qualified and licensed-personnel and/or companies, 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 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. 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, any information that may be necessary to prevent any 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.

APPENDIX

FLOOD INSURANCE MAP



Building Code Abstract 2006 IBC with DCMR 12 Supplement

Chapter 3 Use and Occupancy

Original Use:	F-1 Factory Industrial Moderate Hazard
Existing Use:	B Business
Proposed Use:	Separated Mixed Use
	A-3 Assembly (over 50 occupants / over 750 sf)
	B Business
	S-2 Storage / Enclosed Parking Garage

Chapter 4 Special Use and Occupancy

Motor-Vehicle-Related Occupancy
- Enclosed Parking Garage
- Floor sloped to drain or main door
- Vehicle barriers per 1607.7

Hazardous Materials
- Control Areas (4) with fire barriers

Chapter 5 Building Heights and Areas

Existing Height:	2 story / 25 feet
Allowable Area:	35,454 A-3 gsf (increase for sprinkler and frontage)
	85,836 B gsf (increase for sprinkler and frontage)
	97,032 S-2 gsf (increase for sprinkler and frontage)
Existing Area:	100,000 gsf 1st Floor
	17,000 sf 2nd Floor
	11,000 sf mezzanine
	Incidental use Table 508.2: Storage > 100 sf / sprinkler
	Furnace > 400,000 btu / boiler > 15 psi / sprinkler
Separation of Occupancies:	B, S-2: 1 hour
	A, B: 1 hour

Chapter 6 Types of Construction

Type of Construction: IIB Non-Combustible
Exterior Bearing Walls: 0 hour rated
Interior Bearing Walls: 0 hour rated
Exterior Non-Bearing Walls: 0 hour > 10 feet separation; 1 hour < 10 feet separation
Structural Frame: 0 hour rated
Floor: 0 hour rated
Roof: 0 hour rated

Chapter 7 Fire-Resistance-Rated Construction

707.4: 1 hour shaft enclosure stair connecting less than 4 stories with 1 hour door
706.5 fire barriers top of floor to underside of deck

Chapter 8 Interior Finishes
Class B materials in exits and corridors for A and B uses

Chapter 9 Fire Protection Systems
Automatic Sprinkler System: required / provided
Standpipes: Not required / not provided
Fire Alarm and Detection: Manual FA Required / provided (no manual pulls / sprinkler)
Generator Room fire detection required
Fire Extinguishers: required / provided
Chapter 9A 908.0 coordination meeting prior to design of FA system

Chapter 10 Means of Egress
Occupant Load:

	1:50 locker rooms and exercise rooms
	1:7 A-3 (concentrated / chairs)
	1:100 gross business
	1:300 gross storage / mechanical equipment
	F1011.5 post occupant load for assembly uses
Number of Exits:	3 exits 1st story with 1/4 diagonal separation
	2 exits mezzanine with 1/4 diagonal separation
	Spaces with one exit < 50 occupants
	2 exits boiler room > 500 sf / 40,000 btuh
Exit Enclosure:	1 hour stairs connecting less than 4 stories
	use exit only as means of egress
	EX1003.6 tight fitting doors at stairway enclosure
Travel Distance:	300 feet travel distance B Use (sprinkler protected)
	400 feet travel distance S-2 Use (sprinkler protected)
	250 feet travel distance A-3 Use (sprinkler protected)
	100 fee common path of travel B Use (sprinkler protected)
	75 feet for common path of travel
	50 feet dead end B Use (sprinkler protected)
	20 feet dead end
	EX605.6 dead end 35 feet (75 feet for B and S-2 with sprinkler and fire alarm)
Egress Width:	36” occupant load < 50 occupants
	44” minimum width
	.2” per occupant stairs; .15” corridors / doors
Ceiling height:	7’-6” with 6’-8” projections
	EX601.3 minimum ceiling height shall be 7 feet
Exit Access Corridors:	0 hour rated
	Egress not through kitchens, storage, closets
	Change in elevation <12” with ramp

Door width:	32” clear opening; side opening or power operated Swing in direction of travel > 50 occupants Level landings (2% max) 44” minimum Panic hardware > 50 occupants; electrical rooms over 1200 amps
Stairs:	44” width 36” width < 50 occupants; 24” to equipment 11” tread and 7” riser (4” minimum riser) Section 3403.4 allows existing stairs if space and construction will not permit rebuilding guardrail to meet 42” height and 4” spacing handrails on both sides of stairs alternating tread device access to unoccupied roof 1005A signs at interior stairs for level and direction

Means of Egress Illumination: 90 minute emergency lighting 1 fc; emergency lighting for exit signs / means of egress / exit discharge / exterior landings

Chapter 11 Accessibility
Existing buildings to comply with Section 3409
DC deletes Chapter 34

Chapter 12 Interior Environment
7-6” ceiling height (7’-0” at toilet and storage rooms)
non-absorbent floor and 6” up wall; 2’-0”

Chapter 16 Structural Design
EX1006.1 code official authorized to accept existing floors and approve operational controls that limit the live load on any such floor

Chapter 27 Electrical Systems
Generator installation per NFPA 110 and International Fire Code

Chapter 28 Mechanical Systems
EX609.1 Mechanical system work to comply with requirements of District of Columbia Mechanical Code

Chapter 29 Plumbing Systems
Assembly Use: 1 water closet per 125 men and 65 women
1 lavatory per 200 men and women
Business Use: 1 water closet per 25 men and women
1 lavatory per 40 men and women
separate facilities for men and women > 15 occupants
no more than 1 story travel to facilities
EX1005.4.1 at least one accessible toilet room

EX610.1 where occupant load in a story increased 20%, plumbing fixtures provided per plumbing code

Chapter 30 Elevators
Hoistway shaft enclosure per Section 707

Chapter 34 Existing Structures (DC deletes Chapter 34)
3409.4 accessible entrance, route to primary function, signage, parking
3410.4 Structural analysis required

Chapter 3J Classification of Work
EX306.2 follow Chapter 8

Chapter 5J Alterations – Level 1
EX503.1 Flame spread requirements of building code
EX506 Meet building code for accessibility unless technically infeasible

Chapter 6J Alterations – Level 2
EX601.2 meet Level I requirements
EX601.3 minimum ceiling height shall be 7 feet
EX603.5.2 guards per building code
EX603.6 corridors for B Use with required capacity greater than 50 to comply with building code
EX604.2.2 sprinkler or mixed use with 1 hour separation from sprinkler / non-sprinkler
EX605.3.2 mezzanine >50 occupants / 100 feet travel (sprinkler) 2 exits
EX605.6 dead end 35 feet (75 feet for B and S-2 with sprinkler and fire alarm)
EX609.1 Mechanical systems work to comply with requirements of District of Columbia Mechanical Code
EX610.1 where occupant load in a story increased 20%, plumbing fixtures provided per plumbing code

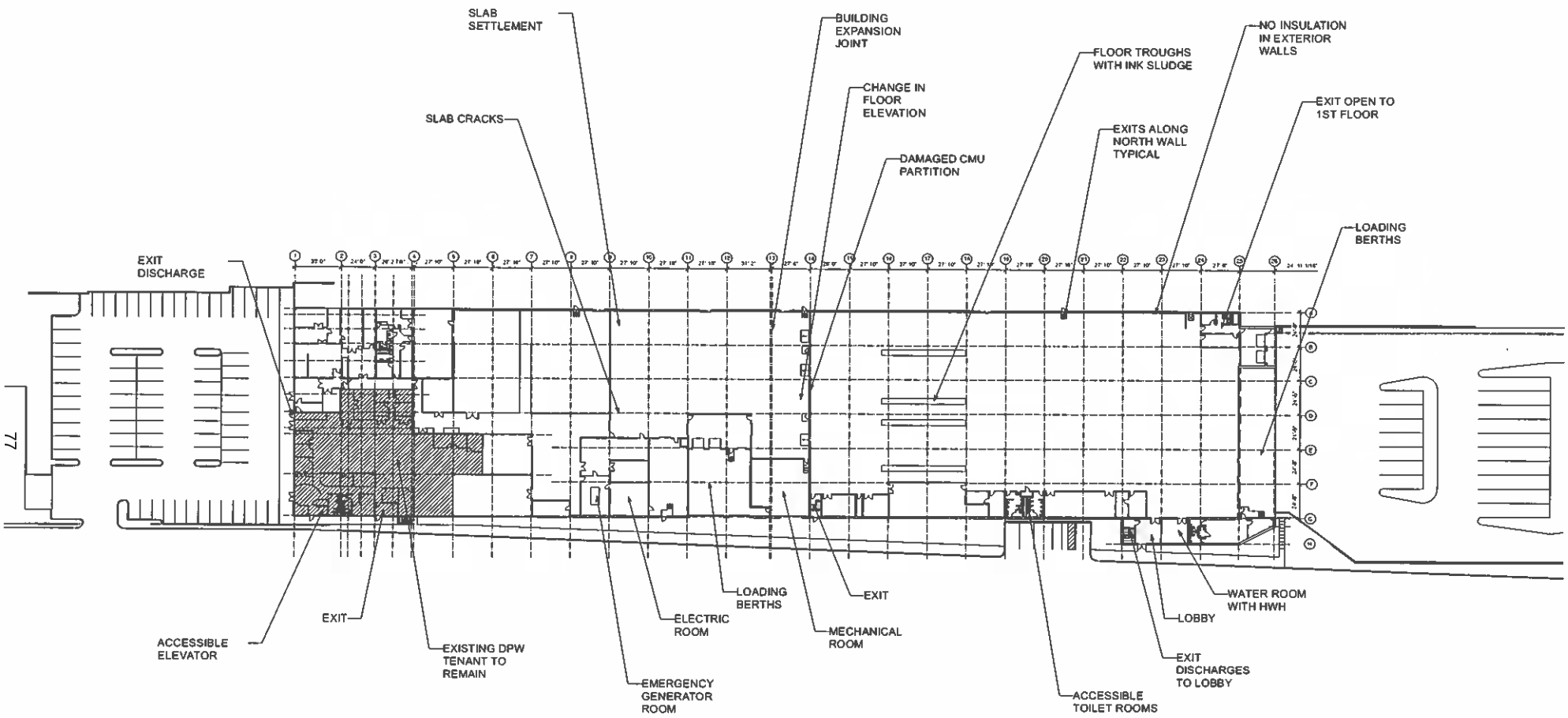
Chapter 7J Alterations – Level 3
EX701.2 meet Level 1 and Level 2 requirements
EX709.1 if costs exceed 50% assessed value, downspouts not to be connected to sanitary or combined storm / sanitary sewer if feasible to conform to storm water discharge of P-1101.2.2

Chapter 8J Change in Use
EX812.1 follow Chapter 7 Alterations

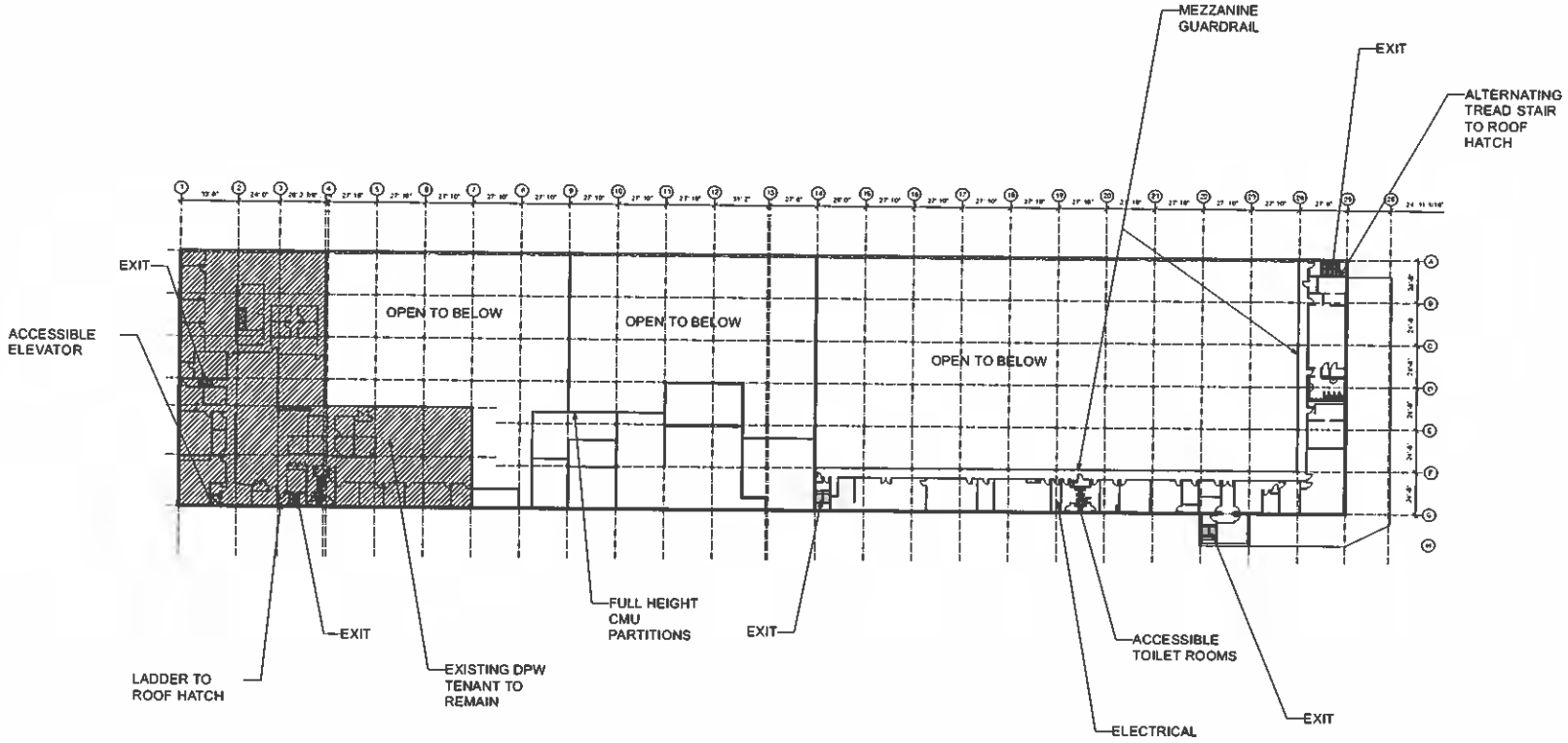
Chapter 12J Compliance Alternatives
Similar to Chapter 34 of IBC for evaluation

Zoning Code Abstract

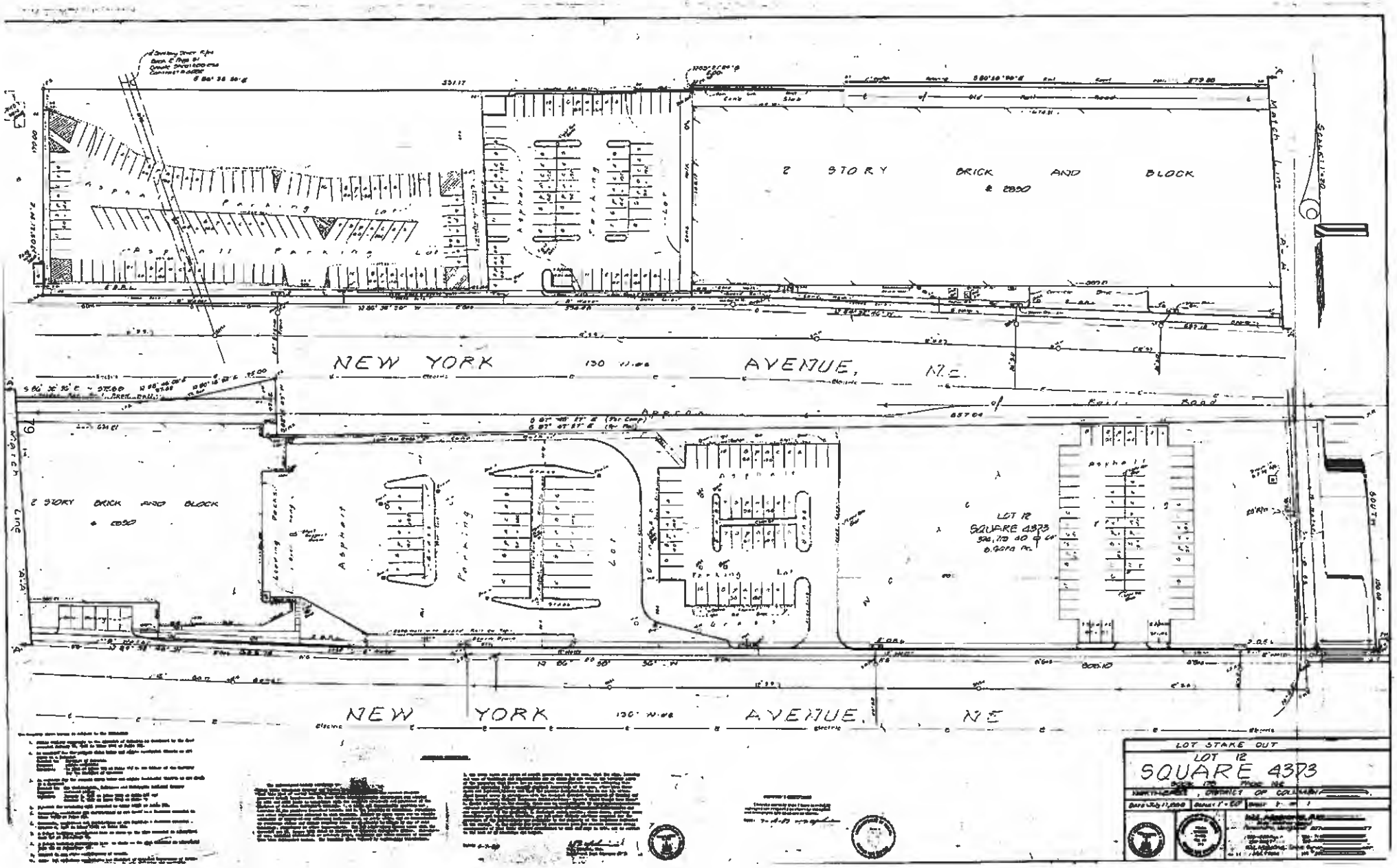
Property Address:	2850 New York Avenue, NE Washington, DC 20002
Historic District:	No
Zone:	M General Industry
Lot Size:	6.7Acres
Maximum FAR:	6.0
Existing Use:	Business
Proposed Use:	Business / Parking Garage
External Effects:	per Section 825
Allowable Height:	90 feet
Existing Height:	25 feet / 2 stories
Setbacks:	
Side:	none
Rear:	none 20 feet above grade: 2.5" / foot / 12 feet minimum
Required Parking:	
Office:	1 per 800 gsf / 123 spaces
Parking provided:	192 spaces cars 27 spaces trucks
Required Loading:	2 berths 12' x 30' 2 platforms 100 sf 1 delivery space 15' x 20'
Loading Provided:	13 berths 12' x 30' 4 platforms 100 sf
Parking Garages:	no vehicular entrance or exit nearer than 40' to a street intersection as measured from the intersection of the curb lines extended
Parking Lots:	no vehicular entrance or exit nearer than 40' to a street intersection as measured from the intersection of the curb lines extended Lighting used to illuminate a parking lot confined to the surface of the lot



EXISTING 1ST FLOOR PLAN



EXISTING 2ND FLOOR / MEZZANINE FLOOR PLAN


2 STORY BRICK AND BLOCK
NEW YORK AVENUE, N.E.
130 Wide
Asphalt Parking Lot
Match Line
LOT 12
SQUARE 4373
LOT STAKE OUT
LOT 12
SQUARE 4373

WE Bowers Inc. Roof Top Unit Assessment Forms and Summary

On July 07, 08 and 09, 2010; WE Bowers performed diagnostic service work on Roof Top Units 301 thru 309 at the 2850 New York Avenue Building. Due to the high outdoor air temperature the controls in the units would not allow for the gas furnaces to come on. The Technician's work sheets are attached here in. The summary of their findings are as follows:

RTU #301

Circuit 1 low on refrigerant, circuit is leaking and needs repaired

RTU #302

Bad thermostat
Bad Compressor #1
Condenser fan #3 bad
Circuit #2 low on refrigerant, check for leak and repair
Pressure wash condenser coil

RTU #303

Contactor for Compressor #1 needs replaced
Bad Condenser Fan cycle switch in circuit #1
Circuit #2 low on refrigerant, find leak and repair

RTU 304

Circuit #1 and #2 low on refrigerant, check for leak and repair
Pressure wash condenser coil

RTU #305

Bad Compressor #2 module protection
Condenser fan cycle switch bad, circuit #2
Circuit #1 low on refrigerant, check for leak and repair

RTU #306

Compressor #2 off on low pressure
Compressor #1 operates but trips on high pressure control
Circuit #2 low on refrigerant, check for leak and repair
Pressure wash condenser coil

RTU #307

Condenser fan #3 bad

RTU #308

All components good, system operated normally

RTU #309

Both blower and compressor contactors are bad and need to be replaced

In the design phase of the project if it is determined that any of these units are to be reused then the repairs noted above will have to be made before the units can be placed back into service.

T/S	Qty.	Description of Materials

☐ Vacuum Pump and Oil ☐ Oil Disposal

☐ Oxy-Acetylene/Nitro ☐ Reclaim/Recovery

Make	
Unit	
MN #	
SN #	
Make	
Unit	
MN #	
SN #	

SUBCONTRACTORS USED

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Billing Name

Date of Labor 7/9/10

Customer Name WASHINGTON TIME BLDG. Customer PO #

Site Location NEW YORK AVE Bowers WO # 100707-0003

WASHINGTON D.C. Job #

Description of Work Performed

CHECK OPERATION OF 9 TRANE RTU AT THE 1025 WASHINGTON TIME BUILDING. INSPECT BLOWER SECTION, DRIVE PAN AND BELT TENSION. RAN UNITS IN COOLING MODE, CHECKED OPERATION AND TEMP READINGS. TROUBLE SHOT UNIT THAT HAS ACCESS, FOUND THE CAUSE AND NOTED ACCESS ON THE INSPECTION REPORTS. SEE INSPECTION REPORT FOR DETAILS.

- NOT ABLE TO CHECK UNITS IN HEAT MODE, DUE TO HIGH OUT DOOR AND INDOOR TEMP.

JOB COMPLETE ☒ **JOB INCOMPLETE** ☐ **PRICING REQUESTED** ☐ **SUPERVISOR FOLLOW-UP** ☐

Service Techs / Plumbers / Helpers	RT	OT	Bowers PO#
PHUONG NGUYEN 7/7/10	8		
PHUONG NGUYEN 7/8/10	8		
PHUONG NGUYEN 7/9/10	8		

The undersigned acknowledges the work described above was ordered by him and that the material and labor hours and other items should meet with his approval.

Signed WASHINGTON TIME MAINT. Date: 7/9/10
Customer's Signature

Print Name DEPT. REFUSES TO SIGN

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RTU #301 OAT: 99°F

Date: 7/7/10 Technician: PHILLIP MEYER

Manufacturer: TRANE Model # 5FHCL754H0 Serial # 582E71851
Filter Size and Quantity: 35-16X20X2 Belt Size and Quantity: 2-CX1014
Voltage L1-L2: 463 L2-L3: 465 L1-L3: 465

1. Space Temp: 85 °F Space Temp Setpoint: 70 °F
2. Lower temperature setpoint to initiate a call for cooling
3. Compressor #1 amp draw loaded L1: 43.8 L2: 42.9 L3: 44.6 FLA: 72
4. Compressor #1 amp draw unloaded L1: ← L2: ← L3: ←
5. Compressor #2 amp draw loaded L1: 71.9 L2: 74.2 L3: 73.6 FLA: 72
6. Compressor #2 amp draw unloaded L1: ← L2: ← L3: ←
7. Compressor #1 High pressure: 220# psi Low pressure: 71# psi
   Superheat: 60° °F Subcooling: 7° °F
8. Compressor #2 High pressure: 351# psi Low pressure: 71# psi
   Superheat: 21° °F Subcooling: 23° °F
9. Full Cooling Return air temp: 85 °F Discharge air temp: 73 °F Evaporator Δ T: 13° °F
10. Raise temperature to call for heat
11. Heat #1 amps L1: _____ L2: _____ L3: _____ FLA: _____
12. Heat #2 amps L1: _____ L2: _____ L3: _____ FLA: _____
13. Full Heating Return air temp: _____ °F Discharge air temp: _____ °F Entering/Leaving Air Δ T: _____ °F
14. Return setpoint to normal
15. Blower motor amps: L1: 36.0 L2: 35.1 L3: 34 FLA: 52.8
16. Belts changed OK — Yes [ ] No [X]
17. Filters changed OK — Yes [ ] No [X]
18. Condensate drain lines clear and free flowing? — Yes [X] No [ ]
19. Add condensate pan tablets? — Yes [ ] No [X]
20. Electrical connections tight? — Yes [X] No [ ]
21. Contactor contact points? — Pass [X] Fail [ ]

Notes: - Circuit #1 was low on ref. Need to locate check and repair leak.
- Not able to check the heat mode, due to high space temp.

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RTU # 302 OAT: 80°F

Date: 7/9/10 Technician: [illegible]

Manufacturer: TRANE Model # 5FHCC754HC83 Serial # 587F71885
Filter Size and Quantity: 35-16x20x2 Belt Size and Quantity: 2- [illegible] CX[illegible]
Voltage L1-L2: 465 L2-L3: 465 L1-L3: 464

1. Space Temp: 80 °F Space Temp Setpoint: 70 °F
2. Lower temperature setpoint to initiate a call for cooling
3. Compressor #1 amp draw loaded L1: BAS [illegible] FLA: 72
4. Compressor #1 amp draw unloaded L1: ~~[illegible]~~ L2: ~~[illegible]~~ L3: ~~[illegible]~~
5. Compressor #2 amp draw loaded L1: 38.1 L2: 38.5 L3: 40.1 FLA: 72
6. Compressor #2 amp draw unloaded L1: ~~[illegible]~~ L2: ~~[illegible]~~ L3: ~~[illegible]~~
7. Compressor #1 High pressure: ~~[illegible]~~ psi Low pressure: ~~[illegible]~~ psi
   Superheat: ~~[illegible]~~ °F Subcooling: ~~[illegible]~~ °F
8. Compressor #2 High pressure: 160 psi Low pressure: [illegible] psi
   Superheat: ~~[illegible]~~ °F Subcooling: ~~[illegible]~~ °F
9. Full Cooling Return air temp: ~~[illegible]~~ °F Discharge air temp: ~~[illegible]~~ °F Evaporator Δ T: ~~[illegible]~~ °F
10. Raise temperature to call for heat
11. Heat #1 amps L1: _____ L2: _____ L3: _____ FLA: _____
12. Heat #2 amps L1: _____ L2: _____ L3: _____ FLA: _____
13. Full Heating Return air temp: _____ °F Discharge air temp: _____ °F Entering/Leaving Air Δ T: _____ °F
14. Return setpoint to normal
15. Blower motor amps: L1: 38.3 L2: 39.5 L3: 39.8 FLA: 58.2
16. Belts changed OK — Yes [ ] No [X]
17. Filters changed OK — Yes [ ] No [X]
18. Condensate drain lines clear and free flowing? — Yes [X] No [ ]
19. Add condensate pan tablets? — Yes [ ] No [X]
20. Electrical connections tight? — Yes [X] No [ ]
21. Contactor contact points? — Pass [X] Fail [ ]

Notes: – BAS T-STAT
– BAS COMP #1
– BAS CIRCUIT #1 COMP. & FAN MOTOR # 2
– CIRCUIT #2 WAS LOW ON REF. NEED TO LOGIC CHECK BAS REPAIR.
– RECOMMEND TO REPL. WITH THE COMP. CONT.

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RTU #203 OAT: 90.3°F

Date: 7/8/10 Technician: Thomas Mercer

Manufacturer: Trane Model #EFHCC754K83 Serial # 587F7185A
Filter Size and Quantity: 35 - 16x20x2 Belt Size and Quantity: 2-cx105
Voltage L1-L2: 464 L2-L3: 465 L1-L3: 465

1. Space Temp: 84° °F Space Temp Setpoint: 70 °F
2. Lower temperature setpoint to initiate a call for cooling
3. Compressor #1 amp draw loaded L1: 60.1 L2: 59.8 L3: 60.5 FLA: 72
4. Compressor #1 amp draw unloaded L1:_____ L2:_____ L3:_____
5. Compressor #2 amp draw loaded L1: 37.6 L2: 36.9 L3: 37.1 FLA: 72
6. Compressor #2 amp draw unloaded L1:_____ L2:_____ L3:_____
7. Compressor #1 High pressure: 220 psi Low pressure: 52 psi
   Superheat: 47 °F Subcooling: 18 °F
8. Compressor #2 High pressure: 200 psi Low pressure: 78 psi
   Superheat: _____ °F Subcooling: 18 °F
9. Full Cooling Return air temp: 84° °F Discharge air temp: 73° °F Evaporator Δ T: 11 °F
10. Raise temperature to call for heat
11. Heat #1 amps L1:_____ L2:_____ L3:_____ FLA:_____
12. Heat #2 amps L1:_____ L2:_____ L3:_____ FLA:_____
13. Full Heating Return air temp:_____ °F Discharge air temp: _____ °F Entering/Leaving Air Δ T: _____ °F
14. Return setpoint to normal
15. Blower motor amps: L1: 30.4 L2: 30.5 L3: 24.2 FLA: 52.8
16. Belts changed? NC — Yes [ ] No [X]
17. Filters changed? NC — Yes [ ] No [X]
18. Condensate drain lines clear and free flowing? — Yes [X] No [ ]
19. Add condensate pan tablets? — Yes [ ] No [X]
20. Electrical connections tight? — Yes [X] No [ ]
21. Contactor contact points? — Pass [X] Fail [ ]

Notes: - Needs to replace Capacitor contactor (Buzzing) 3 pole 75A 120V coil).
- Bad cond. fan cycle switch in circuit #1 (825psi)
- Circuit 2 w/ AC low on ref. needs to leak check and repair.

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RTU # 304 OAT: 85°F

Date: 7/9/10 Technician: PHUONG NGUYEN

Manufacturer: TRANE Model # 5TEHCC754HC8 Serial # 587E71B5Q
Filter Size and Quantity: 8E-16X20X2 Belt Size and Quantity: 2-CX109
Voltage L1-L2:_____ L2-L3:_____ L1-L3:_____

1. Space Temp: 85° °F Space Temp Setpoint: 70° °F
2. Lower temperature setpoint to initiate a call for cooling
3. Compressor #1 amp draw loaded L1: SYSTEM L2: FLAT L3:_____ FLA: 72
4. Compressor #1 amp draw unloaded L1:_____ L2:_____ L3:_____
5. Compressor #2 amp draw loaded L1: SYSTEM L2: FLAT L3:_____ FLA: 72
6. Compressor #2 amp draw unloaded L1:_____ L2:_____ L3:_____
7. Compressor #1 High pressure:_____psi Low pressure:_____psi
   Superheat:_____°F Subcooling:_____°F
8. Compressor #2 High pressure:_____psi Low pressure:_____psi
   Superheat:_____°F Subcooling:_____°F
9. Full Cooling Return air temp:_____°F Discharge air temp:_____°F Evaporator Δ T:_____°F
10. Raise temperature to call for heat
11. Heat #1 amps L1:_____ L2:_____ L3:_____ FLA:_____
12. Heat #2 amps L1:_____ L2:_____ L3:_____ FLA:_____
13. Full Heating Return air temp:_____°F Discharge air temp:_____°F Entering/Leaving Air Δ T:_____°F
14. Return setpoint to normal
15. Blower motor amps: L1: 41.5 L2: 40.0 L3: 42.0 FLA: 58.2
16. Belts changed OK — Yes [ ] No [X]
17. Filters changed OK — Yes [ ] No [X]
18. Condensate drain lines clear and free flowing? — Yes [X] No [ ]
19. Add condensate pan tablets? — Yes [ ] No [X]
20. Electrical connections tight? — Yes [X] No [ ]
21. Contactor contact points? — Pass [X] Fail [ ]

Notes: - CKT#1 : FLAT, NEED TO LOOK CHECK AND REPAIR.
- CKT#2 : FLAT, NEED TO LOOK CHECK AND REPAIR
- RECOMMEND TO PRESS WASH THE COILS COIL.

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RTU # 305 OAT: 97°F

Date: 7/8/10 Technician: PHUONG NGUYEN

Manufacturer: TRANE Model # 5FHCC754HC72 Serial # 587F78549
Filter Size and Quantity: 25 - 16x20x2 Belt Size and Quantity: 2 - CX40
Voltage L1-L2: 463 L2-L3: 466 L1-L3: 465

1. Space Temp: 85 °F Space Temp Setpoint: 70 °F
2. Lower temperature setpoint to initiate a call for cooling
3. Compressor #1 amp draw loaded L1: 40.2 L2: 41.2 L3: 40.1 FLA: 52
4. Compressor #1 amp draw unloaded L1: ~~___~~ L2: ~~___~~ L3: ~~___~~
5. Compressor #2 amp draw loaded L1: ___ L2: ___ L3: ___ FLA: 72
6. Compressor #2 amp draw unloaded L1: ~~___~~ L2: ~~___~~ L3: ~~___~~
7. Compressor #1 High pressure: 220 psi Low pressure: 117 psi
   Superheat: ~~___~~ °F Subcooling: ~~___~~ °F
8. Compressor #2 High pressure: 355 psi Low pressure: 68 psi
   Superheat: 35 °F Subcooling: 28 °F
9. Full Cooling Return air temp: 85 °F Discharge air temp: 77 °F Evaporator Δ T: 8 °F
10. Raise temperature to call for heat
11. Heat #1 amps L1: ___ L2: ___ L3: ___ FLA: ___
12. Heat #2 amps L1: ___ L2: ___ L3: ___ FLA: ___
13. Full Heating Return air temp: ___ °F Discharge air temp: ___ °F Entering/Leaving Air Δ T: ___ °F
14. Return setpoint to normal
15. Blower motor amps: L1: 27.2 L2: 28.6 L3: 26.1 FLA: 52.8
16. Belts changed OK — Yes [ ] No [X]
17. Filters changed OK — Yes [ ] No [X]
18. Condensate drain lines clear and free flowing? — Yes [X] No [ ]
19. Add condensate pan tablets? — Yes [ ] No [X]
20. Electrical connections tight? — Yes [X] No [ ]
21. Contactor contact points? — Pass [X] Fail [ ]

Notes: - CIRCUIT #1 WAS LOW ON REF.
- FOUND BAD COMP #2 MOTOR PROTECTOR
- BAD CIRCUIT #2 CONDENSOR FAN CYCLE SWITCH

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RTU # 306   OAT: 96.5°F

Date: 7/2/10   Technician: PHUONG NGUYEN

Manufacturer: TRANE   Model # SFHDC754H   Serial # J87E71853
Filter Size and Quantity: 35-16x20x2   Belt Size and Quantity: 2- CX112
Voltage L1-L2: 468   L2-L3: 470   L1-L3: 472

1. Space Temp: 82° °F   Space Temp Setpoint: 70 °F
2. Lower temperature setpoint to initiate a call for cooling
3. Compressor #1 amp draw loaded L1: 75   L2: 77   L3: 74.8   FLA: 72
4. Compressor #1 amp draw unloaded L1: ______ L2: ______ L3: ______
5. Compressor #2 amp draw loaded L1: OFF   L2: OFF   L3: OFF   FLA: 72
6. Compressor #2 amp draw unloaded L1: ______ L2: ______ L3: ______
7. Compressor #1 High pressure: 375 psi   Low pressure: 77 psi
   Superheat: N/A °F   Subcooling: N/A °F
8. Compressor #2 High pressure: N/A psi   Low pressure: N/A psi
   Superheat: N/A °F   Subcooling: N/A °F
9. Full Cooling Return air temp: 82° °F   Discharge air temp: 82° °F   Evaporator Δ T: —— °F
10. Raise temperature to call for heat
11. Heat #1 amps L1: ______ L2: ______ L3: ______ FLA: ______
12. Heat #2 amps L1: ______ L2: ______ L3: ______ FLA: ______
13. Full Heating Return air temp: ______ °F   Discharge air temp: ______ °F   Entering/Leaving Air Δ T: ______ °F
14. Return setpoint to normal
15. Blower motor amps: L1: 22.3   L2: 23.0   L3: 24.5   FLA: 52
16. Belts changed   OK   Yes [ ]   No [X]
17. Filters changed   OK   Yes [ ]   No [X]
18. Condensate drain lines clear and free flowing?   Yes [X]   No [ ]
19. Add condensate pan tablets?   Yes [ ]   No [X]
20. Electrical connections tight?   Yes [X]   No [ ]
21. Contactor contact points?   Pass [X]   Fail [ ]

Notes: - COMP#1 OPERATED ON HIGH PRESS. AND TRIPPED OUT ON HI PRESS. CONTROL.
- COMP#2 WAS OFF ON LOW PRESS. SWITCH, SYSTEM IS FLAT. NEED TO LEAK CHECK AND REPAIR.
- NEED TO CLEAN THE COND. COIL.
- NOT ABLE TO CHECK HEAT MODE DUE TO HIGH SPACE TE

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RTU # 307 [redacted]

OAT: 80°F

Date: 7/8/10 Technician: PHUONG NGUYEN

Manufacturer: TRANE Model # TYC120B4HHCA Serial # B37144143D
Filter Size and Quantity: 10-14x20x1 Belt Size and Quantity: 1-BX63
Voltage L1-L2: 463 L2-L3: 465 L1-L3: 464

1. Space Temp: 86° °F Space Temp Setpoint: 70° °F
2. Lower temperature setpoint to initiate a call for cooling
3. Compressor #1 amp draw loaded L1: 9.2 L2: 8.8 L3: 9.7 FLA: 11.2
4. Compressor #1 amp draw unloaded L1: ~~___~~ L2: ~~___~~ L3: ~~___~~
5. Compressor #2 amp draw loaded L1: 10.2 L2: 9.1 L3: 10.9 FLA: 11.2
6. Compressor #2 amp draw unloaded L1: ~~___~~ L2: ~~___~~ L3: ~~___~~
7. Compressor #1 High pressure: 285 psi Low pressure: 78 psi
   Superheat: 13 °F Subcooling: 15° °F
8. Compressor #2 High pressure: 290 psi Low pressure: 74 psi
   Superheat: 12 °F Subcooling: 16° °F
9. Full Cooling Return air temp: 86 °F Discharge air temp: 69 °F Evaporator Δ T: 17 °F
10. Raise temperature to call for heat
11. Heat #1 amps L1:_____ L2:_____ L3:_____ FLA:_____
12. Heat #2 amps L1:_____ L2:_____ L3:_____ FLA:_____
13. Full Heating Return air temp:_____ °F Discharge air temp:_____ °F Entering/Leaving Air Δ T:_____ °F
14. Return setpoint to normal
15. Blower motor amps: L1: 5.9 L2: 6.0 L3: 5.8 FLA: 6.8
16. Belts changed OK — Yes [ ] No [X]
17. Filters changed OK — Yes [ ] No [X]
18. Condensate drain lines clear and free flowing? — Yes [X] No [ ]
19. Add condensate pan tablets? — Yes [ ] No [X]
20. Electrical connections tight? — Yes [X] No [ ]
21. Contactor contact points? — Pass [X] Fail [ ]

Notes: - BAD COND. FAN #3
- NOT ABLE TO CHECK THE HEAT MODE, DUE TO HIGH SPACE TEMPS.

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RTU # 308 OAT: 95°F

Date: 7/2/10 Technician: PHUONG NGUYEN

Manufacturer: TRANE Model # 5EHFF204HA Serial # COZM124988
Filter Size and Quantity: 12 - 20x20x2 Belt Size and Quantity: 2 - BX70
Voltage L1-L2: 464 L2-L3: 466 L1-L3: 464

1. Space Temp: 86° °F Space Temp Setpoint: 70° °F
2. Lower temperature setpoint to initiate a call for cooling
3. Compressor #1 amp draw loaded L1: 15.1 L2: 14.5 L3: 14.3 FLA: 18.2
4. Compressor #1 amp draw unloaded L1: 15.1 L2: 14.5 L3: 14.7
5. Compressor #2 amp draw loaded L1: 15.1 L2: 14.5 L3: 14.7 FLA: _____
6. Compressor #2 amp draw unloaded L1: _____ L2: _____ L3: _____
7. Compressor #1 High pressure: 300 psi Low pressure: 74 psi
   Superheat: 12 °F Subcooling: 20 °F
8. Compressor #2 High pressure: 300 psi Low pressure: 74 psi
   Superheat: 12 °F Subcooling: 20 °F
9. Full Cooling Return air temp: 86° °F Discharge air temp: 62.3 °F Evaporator Δ T: 24.7 °F
10. Raise temperature to call for heat
11. Heat #1 amps L1: _____ L2: _____ L3: _____ FLA: _____
12. Heat #2 amps L1: _____ L2: _____ L3: _____ FLA: _____
13. Full Heating Return air temp: _____ °F Discharge air temp: _____ °F Entering/Leaving Air Δ T: _____ °F
14. Return setpoint to normal
15. Blower motor amps: L1: 7.2 L2: 7.2 L3: 7.0 FLA: 13.8
16. Belts changed OK — Yes [ ] No [X]
17. Filters changed OK — Yes [ ] No [X]
18. Condensate drain lines clear and free flowing? Yes [X] No [ ]
19. Add condensate pan tablets? Yes [ ] No [X]
20. Electrical connections tight? Yes [X] No [ ]
21. Contactor contact points? Pass [X] Fail [ ]

Notes: All operation normal. Not able to check system heating mode due to high space temps. (GAS HEAT)

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RTU # 309 OAT: 85°F

Date: 7/9/10 Technician: Phillip Lawyer

Manufacturer: Trane Model # BYC048G4H0BB Serial # B35143180A
Filter Size and Quantity: 1-16x30x1 Belt Size and Quantity: Direct Drive
Voltage L1-L2: 464 L2-L3: 464 L1-L3: 465

1. Space Temp: 83° °F Space Temp Setpoint: 70° °F
2. Lower temperature setpoint to initiate a call for cooling
3. Compressor #1 amp draw loaded L1: 5.3 L2: 5.0 L3: 5.2 FLA: 8.2
4. Compressor #1 amp draw unloaded L1: ____ L2: ____ L3: ____
5. Compressor #2 amp draw loaded L1: ____ L2: ____ L3: ____ FLA: ____
6. Compressor #2 amp draw unloaded L1: ____ L2: ____ L3: ____
7. Compressor #1 High pressure: 240 psi Low pressure: 62 psi
   Superheat: 29 °F Subcooling: 14° °F
8. Compressor #2 High pressure: ____ psi Low pressure: ____ psi
   Superheat: ____ °F Subcooling: ____ °F
9. Full Cooling Return air temp: 81.5 °F Discharge air temp: 62.2 °F Evaporator Δ T: 19 °F
10. Raise temperature to call for heat
11. Heat #1 amps L1: ____ L2: ____ L3: ____ FLA: ____
12. Heat #2 amps L1: ____ L2: ____ L3: ____ FLA: ____
13. Full Heating Return air temp: ____ °F Discharge air temp: ____ °F Entering/Leaving Air Δ T: ____ °F
14. Return setpoint to normal
15. Blower motor amps: L1: 1.1 L2: 1.0 L3: 1.3 FLA: 1.6
16. Belts changed NONE — Yes [ ] No [X]
17. Filters changed OK — Yes [ ] No [X]
18. Condensate drain lines clear and free flowing? Yes [X] No [ ]
19. Add condensate pan tablets? Yes [ ] No [X]
20. Electrical connections tight? Yes [X] No [ ]
21. Contactor contact points? Pass [ ] Fail [X]

Notes: Need to replace both blower and comp. contactors (3pole 25A 24V coil 2pole 20A 24V coil)

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Attn: **Alan Lederman**
Froehling & Robertson
7798 Waterloo Road
Jessup, MD 20794

Fax: (443) 733-1015 Phone: (443) 733-1011
Project: **2850 NEW YORK AVE**

Customer ID: FROE62
Customer PO:
Received: 07/13/10 2:30 PM
EMSL Order: 191006538

EMSL Proj:
Analysis Date: 7/14/2010

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
2850-01 *191006538-0001*	12X12 WHT VFT W/ BLK FLECKS	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
2850-02 *191006538-0002*	BLK MSTC	Brown/Black Non-Fibrous Heterogeneous	8% Cellulose	92% Non-fibrous (other)	**None Detected**
2850-03 *191006538-0003*	12X12 BLUE VFT W/ WHT FLECKS	Blue Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
2850-04 *191006538-0004*	BLK MSTC	Black Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	**None Detected**
2850-05 *191006538-0005*	12X12 GRAY W/ BLK FLECKS	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**
2850-06 *191006538-0006*	BRN MSTC	Brown Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	**None Detected**
2850-07 *191006538-0007*	12X12 SOLID GRAY VFT	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (other)	**None Detected**

Initial report from 07/14/2010 12:28:25

Analyst(s)

Alexis Turner (35)

Joe Centifonti, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
10768 Baltimore Avenue, Beltsville, MD 20705
Phone: (301) 937-5700 Fax: (301) 937-5701 Email: beltsvillelab@emsl.com

Attn: **Alan Lederman**
Froehling & Robertson
7798 Waterloo Road
Jessup, MD 20794

Fax: (443) 733-1015 Phone: (443) 733-1011
Project: **2850 NEW YORK AVE**

Customer ID: FROE62
Customer PO:
Received: 07/13/10 2:30 PM
EMSL Order: 191006538

EMSL Proj:
Analysis Date: 7/14/2010

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
2850-08 *191006538-0008*	TAN MSTC	Yellow Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-09 *191006538-0009*	12X12 GRAY W/ WHT FLECKS	Gray Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-10 *191006538-0010*	TAN CARPET MSTC	Brown Non-Fibrous Homogeneous			100% Non-fibrous (other)	**None Detected**
2850-11 *191006538-0011*	DRYWALL 2ND FL OFFICES	Brown/Gray Non-Fibrous Heterogeneous	15%	Cellulose	85% Non-fibrous (other)	**None Detected**
2850-12 *191006538-0012*	JOINT CMPD 2ND FL OFFICES	White Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-13 *191006538-0013*	2X2 CT 2ND FL OFFICES	Gray/White Fibrous Heterogeneous	50% 40%	Cellulose Glass	10% Non-fibrous (other)	**None Detected**
2850-14 *191006538-0014*	DRYWALL 1ST FL OFFICES	White Non-Fibrous Heterogeneous	15%	Cellulose	85% Non-fibrous (other)	**None Detected**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
2850-15 *191006538-0015*	JOINT CMPD 1ST FL OFFICES	White Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-16 *191006538-0016*	12X12 PURPLE VFT 1ST FL OFFICES	Gray Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-17 *191006538-0017*	STAIRWELL PLSTR 1ST FL OFFICES	White Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-18 *191006538-0018*	STAIRWELL PLSTR 1ST FL OFFICES	White Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-19 *191006538-0019*	STAIRWELL PLSTR 1ST FL OFFICES	White Non-Fibrous Heterogeneous	3%	Cellulose	97% Non-fibrous (other)	**None Detected**
2850-20 *191006538-0020*	EXT WINDOW CAULK	Brown/Gray Non-Fibrous Heterogeneous			80% Non-fibrous (other)	**20% Chrysotile**
2850-21 *191006538-0021*	2X4 CT (WHT) MEZZANINE OFFICES	Gray/White Fibrous Heterogeneous	50% 40%	Cellulose Glass	10% Non-fibrous (other)	**None Detected**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**% Non-Fibrous**	**% Type**
2850-22 *191006538-0022*	DRYWALL MEZZANINE OFFICES	Brown/White Non-Fibrous Heterogeneous	15%	Cellulose	85% Non-fibrous (other)	**None Detected**
2850-23 *191006538-0023*	JOINT CMPD MEZZANINE OFFICES	Brown/White Non-Fibrous Heterogeneous	5%	Cellulose	95% Non-fibrous (other)	**None Detected**
2850-24 *191006538-0024*	2X4 GRAY CT MEZZANINE OFFICES	Gray/White Fibrous Heterogeneous	45% 35%	Cellulose Glass	20% Non-fibrous (other)	**None Detected**
2850-25 *191006538-0025*	WHT SINK BASIN COATING MEZZANINE OFFICES	Gray Non-Fibrous Homogeneous	10%	Cellulose	90% Non-fibrous (other)	**None Detected**
2850-26 *191006538-0026*	HT PIPE SEAM SEALANT MEZZANINE WALKWAY	Silver/Cream Non-Fibrous Heterogeneous	10%	Glass	90% Non-fibrous (other)	**None Detected**
2850-27 *191006538-0027*	HT DUCT SEAM SEALANT MEZZANINE WALKWAY	Cream Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-28 *191006538-0028*	DRYWALL WAREHOUSE N WALL	White Non-Fibrous Heterogeneous	8%	Cellulose	92% Non-fibrous (other)	**None Detected**

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
2850-29 *191006538-0029*	JOINT CMPD WAREHOUSE N WALL	White Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-30 *191006538-0030*	DRYWALL S CENTRAL GARAGE DOOR BAY	Brown/White Non-Fibrous Heterogeneous	20%	Cellulose	80% Non-fibrous (other)	**None Detected**
2850-31 *191006538-0031*	JOINT CMPD S CENTRAL GARAGE DOOR BAY	White Non-Fibrous Heterogeneous	15%	Cellulose	85% Non-fibrous (other)	**None Detected**
2850-32 *191006538-0032*	DRYWALL WAREHOUSE COLUMN 5	Brown/White Non-Fibrous Heterogeneous	20%	Cellulose	80% Non-fibrous (other)	**None Detected**
2850-33 *191006538-0033*	JOINT CMPD WAREHOUSE COLUMN 5	White Non-Fibrous Heterogeneous	15%	Cellulose	85% Non-fibrous (other)	**None Detected**
2850-34 *191006538-0034*	DRYWALL WASHINGTON TIMES OFFICE	Brown/White Non-Fibrous Heterogeneous	25%	Cellulose	75% Non-fibrous (other)	**None Detected**
2850-35 *191006538-0035*	JOINT CMPD WASHINGTON TIMES OFFICE	Gray/White Non-Fibrous Heterogeneous	8%	Cellulose	92% Non-fibrous (other)	**None Detected**

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Project: **2850 NEW YORK AVE**

Customer ID: FROE62
Customer PO:
Received: 07/15/10 2:40 PM
EMSL Order: 191006664

EMSL Proj:
Analysis Date: 7/15/2010

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
2850-36 *191006664-0001*	EXPANSION JOINT CAULK	Gray Non-Fibrous Heterogeneous			82% Non-fibrous (other)	**18% Chrysotile**
2850-37 *191006664-0002*	WINDOW CAULK	Gray Non-Fibrous Heterogeneous	3% 2%	Synthetic Cellulose	95% Non-fibrous (other)	**None Detected**
2850-38 *191006664-0003*	DOOR CAULK	White/Red Non-Fibrous Heterogeneous			70% Non-fibrous (other) 30% Quartz	**None Detected**
2850-39 *191006664-0004*	BLK FT MSTC/2ND FL MEZZ OFFICES	Black Non-Fibrous Heterogeneous			97% Non-fibrous (other)	**3% Chrysotile**
2850-40 *191006664-0005*	TAN DUCT SEAM SEALANT/2ND FL MEZZ OFFICES	Gray/Tan Fibrous Heterogeneous	15%	Cellulose	85% Non-fibrous (other)	**None Detected**
2850-41 *191006664-0006*	VINYL COVE BASE/2ND FL MEZZ OFFICES	Gray Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-42 *191006664-0007*	COVE BASE MSTC/2ND FL MEZZ OFFICES	Tan Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**

Initial report from 07/16/2010 12:48:18

Analyst(s)

Emily Baker (23)

Joe Centifonti, Laboratory Manager
or other approved signatory

EMSL Analytical, Inc.
10768 Baltimore Avenue, Beltsville, MD 20705
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7798 Waterloo Road
Jessup, MD 20794

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Customer ID: FROE62
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Received: 07/15/10 2:40 PM
EMSL Order: 191006664

EMSL Proj:
Analysis Date: 7/15/2010

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

			Non-Asbestos			Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**		**% Non-Fibrous**	**% Type**
2850-43-flooring *191006664-0008*	RUBBER FLOORING/2ND FL MEZZ OFFICES	Gray Non-Fibrous Heterogeneous			100% Non-fibrous (other)	**None Detected**
2850-43-Mastic *191006664-0008A*	RUBBER FLOORING/2ND FL MEZZ OFFICES	Tan Fibrous Heterogeneous	20%	Synthetic	80% Non-fibrous (other)	**None Detected**
2850-44 *191006664-0009*	GRAY FIREPROOFING/ WAREHOUSE 1ST FL W SIDE OFFICE	Gray Fibrous Heterogeneous	60% 20%	Glass Min. Wool	20% Non-fibrous (other)	**None Detected**
2850-45 *191006664-0010*	GRAY FIREPROOFING/ WAREHOUSE 1ST FL OFCS CEIL DECK	Gray Fibrous Heterogeneous	30% 50%	Min. Wool Glass	20% Non-fibrous (other)	**None Detected**
2850-46 *191006664-0011*	GRAY FIREPROOFING/ WAREHOUSE 1ST FL VERT I BEAM	Gray Fibrous Heterogeneous	60% 25%	Min. Wool Glass	15% Non-fibrous (other)	**None Detected**

Initial report from 07/16/2010 12:48:18

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EMSL Proj:
Analysis Date: 7/15/2010

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

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
2850-47 *191006664-0012*	GRAY FIREPROOFING/ WAREHOUSE 1ST FL HORIZ. I BEAM	Gray Fibrous Heterogeneous	20% 75%	Glass Min. Wool	5%	Non-fibrous (other)	**None Detected**
2850-48 *191006664-0013*	GRAY FIREPROOFING/ WAREHOUSE 1ST FL @ SE CORNER ENT	Gray Fibrous Heterogeneous	60% 25%	Min. Wool Glass	15%	Non-fibrous (other)	**None Detected**
2850-49 *191006664-0014*	GRAY FIREPROOFING/ WAREHSE 1ST FL E END CEIL DECK	Gray Fibrous Heterogeneous	70% 20%	Min. Wool Glass	10%	Non-fibrous (other)	**None Detected**
2850-50 *191006664-0015*	GRAY FIREPROOFING/ WAREHSE 1ST FL E END VERT I BEAM	Gray Fibrous Heterogeneous	75% 20%	Min. Wool Glass	5%	Non-fibrous (other)	**None Detected**
2850-51 *191006664-0016*	GRAY FIREPROOFING/ WAREHSE 1ST FL E END HOR I BEAM	Gray Fibrous Heterogeneous	80% 10%	Min. Wool Glass	10%	Non-fibrous (other)	**None Detected**

Initial report from 07/16/2010 12:48:18

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

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
2850-52 *191006664-0017*	GRAY FIREPROOFING/ WAREHSE 1ST FL E END CEIL DECK	Gray Fibrous Heterogeneous	75% 10% 10%	Min. Wool Cellulose Glass	5%	Non-fibrous (other)	**None Detected**
2850-53 *191006664-0018*	GENERATOR BREECHING INS	White Fibrous Heterogeneous	20%	Synthetic	80%	Non-fibrous (other)	**None Detected**
2850-54 *191006664-0019*	GENERATOR BREECHING INS	White Fibrous Heterogeneous	30%	Synthetic	70%	Non-fibrous (other)	**None Detected**
2850-55 *191006664-0020*	GENERATOR BREECHING INS	White Fibrous Heterogeneous	10%	Synthetic	90%	Non-fibrous (other)	**None Detected**
2850-56 *191006664-0021*	INT FIRE DOOR INS	Brown Fibrous Heterogeneous	90%	Cellulose	10%	Non-fibrous (other)	**None Detected**
2850-57 *191006664-0022*	TAN DRYWALL MSTC	Brown Non-Fibrous Heterogeneous	40%	Cellulose	60%	Non-fibrous (other)	**None Detected**

Initial report from 07/16/2010 12:48:18

Analyst(s)

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191006538

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 191006538

EMSL ANALYTICAL, INC.
10768 BALTIMORE AVENUE
BELTSVILLE, MD 20705
PHONE: (301) 937-5700
FAX: (301) 937-5701

Company: Froehling & Robertson	EMSL-Bill to: ☑ Same ☐ Different If Bill to is Different note instructions in Comments**
Street: 7798 Waterloo Rd.	*Third Party Billing requires written authorization from third party*
City: Jessup State/Province: MD	Zip/Postal Code: 20794 Country: U.S.
Report To (Name): Alan Lederman	Fax #: 443-733-1015
Telephone #: 443-733-1011	Email Address: alederman@fandr.com
Project Name/Number: 2850 New York Ave	
Please Provide Results: ☐ Fax ☑ Email	Purchase Order: U.S. State Samples Taken: DC

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☑ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☑ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT** (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Alan Lederman Samplers Signature: Alan Lederman

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled

Client Sample # (s): 2850-01 - 2850-35 Total # of Samples: 35

Relinquished (Client): Alan Lederman Date: 7/13/10 Time: 2:30PM

Received (Lab): L. Howarth walk in Date: 7/13/10 Time: 2:30pm

Comments/Special Instructions:

191006538

2850-01 - 12"x12" White VFT w/ Black flecks
2850-02 - Black Mastic
2850-03 - 12"x12" Blue VFT w/ White Flecks
2850-04 - Black Mastic
2850-05 - 12"x12" Gray with Black Flecks
2850-06 - Brown Mastic
2850-07 - 12"x12" Solid Gray VFT
2850-08 - Tan Mastic
2850-09 - 12"x12" Gray w/ White Flecks
2850-10 - Tan Carpet Mastic
2850-11 - Drywall - 2nd Floor Offices
2850-12 - Joint Compound - "
2850-13 - 2'x2' Ceiling Tile - "
2850-14 - Drywall - 1st Floor offices
2850-15 - Joint Compound - 1st Floor Offices
2850-16 - 12"x12" Purple VFT - 1st Floor Offices
2850-17 - Stairwell Plaster - 1st Floor offices
2850-18 " - "
2850-19 " - "
2850-20 - Exterior Window Caulk

2850-21 2'x4' Ceiling Tile (White) - Mezanine offices
2850-22 Drywall - Mezanine Offices
2850-23 Joint Compound - Mezanine offices
2850-24 2'x4' Gray Ceiling Tile - Mezanine offices
2850-25 White Sink Basin Coating - Mezanine offices
2850-26 White Pipe Seam Sealant - Mezanine Walkways
2850-27 White Duct Seam Sealant - Mezanine offices
2850-28 Drywall - Warehouse North Wall
2850-29 Joint Compound - Warehouse North Wall
2850-30 Drywall - South Central Garage Door Bay
2850-31 Joint Compound - South Central Garage Door Bay
2850-32 Drywall - Warehouse Columns
2850-33 Joint Compound - Warehouse Columns
2850-34 Drywall - Washington Times office
2850-35 Joint Compound - Washington Times office

191006664

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, I
10768 BALTIMORE AVE
BELTSVILLE MD 20
PHONE (301) 937-5700
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Company: Froehling & Robertson	EMSL-Bill to: ☒ Same ☐ Different If Bill to is Different note instructions in Comments**
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Report To (Name): Alan Lederman	Fax #: 443-733-1015
Telephone #: 443-733-1011	Email Address: alederman@fandr.com
Project Name/Number: 2850 New York Ave	
Please Provide Results: ☐ Fax ☐ Email	Purchase Order: U.S. State Samples Taken: D.C.

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☒ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

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PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT** (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Alan Lederman **Samplers Signature:** Alan L

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
2850-36	Expansion Joint Caulk		
2850-37	Window Caulk		
2850-38	Door Caulk		
2850-39	Black Floor Tile Mastic / 2nd Floor Mezzanine Offices		
2850-40	Tan Duct Seam Sealant / 2nd Floor Mezzanine Offices		
2850-41	Vinyl Covebase / 2nd Floor Mezzanine Offices		
2850-42	Covebase Mastic / 2nd Floor Mezzanine Offices		
2850-43	Rubber Flooring / 2nd Floor Mezzanine Offices		

Client Sample # (s): 2850-36 - 2850-57 **Total # of Samples:** 22

Relinquished (Client): Alan L **Date:** 7/15/10 **Time:** 2:30 pm

Received (Lab): L. Ashworth Walk Jr **Date:** 7/15/10 **Time:** 2:40 pm

Comments/Special Instructions:

191006664

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*:

EMSL ANALYTICAL, INC.
10768 BALTIMORE AVENUE
BELTSVILLE, MD 20705
PHONE: (301) 937-5700
FAX: (301) 937-5701

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

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
2850-44	Grey Fireproofing / Warehouse 1st Floor West side office		
2850-45	Grey Fireproofing / Warehouse 1st Floor offices ceiling Deck		
2850-46	Grey Fireproofing/Warehouse 1st Floor Vertical I-Beams		
2850-47	Grey Fireproofing/Warehouse 1st Floor Horizontal I-Beam		
2850-48	Gray Fireproofing / Warehouse 1st Floor @ SE Corner Entrance		
2850-49	Gray Fireproofing / Warehouse 1st Floor East End Ceiling Deck		
2850-50	Gray Fireproofing / Warehouse 1st Floor East End Vertical I-Beam		
2850-51	Gray Fireproofing / Warehouse 1st Floor East End Horizontal I-Beam		
2850-52	Gray Fireproofing / Werehouse 1st Floor East End ceiling Deck		
2850-53	Generator Breeching Insulation		
2850-54	"		
2850-55	"		
2850-56	Interior Fire Door Insulation		
2850-57	Tan Drywall Mastic		

***Comments/Special Instructions:**

EMSL Analytical, Inc.
10768 Baltimore Avenue, Beltsville, MD 20705
Phone: (301) 937-5700 Fax: (301) 937-5701 Email: beltsvillelab@emsl.com

Attn: **Alan Lederman**
Froehling & Robertson
7798 Waterloo Road
Jessup, MD 20794

Fax: (443) 733-1015 Phone: (443) 733-1011
Project: **2850 NEW YORK AVE**

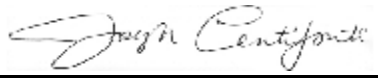
Customer ID: FROE62
Customer PO:
Received: 07/15/10 2:40 PM
EMSL Order: 191006665

EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
LEADWIPE-01	*0001*	7/15/2010	7/16/2010	144 in²	12 µg/ft²
	Site: CENTRAL BAY FOOR AREA - E WALL				
LEADWIPE-02	*0002*	7/15/2010	7/16/2010	144 in²	640 µg/ft²
	Site: MIXING TANK AREA				
LEADWIPE-03	*0003*	7/15/2010	7/16/2010	144 in²	<10 µg/ft²
	Site: CENTER OF MAIN WAREHOUSE				
LEADWIPE-04	*0004*	7/15/2010	7/16/2010	144 in²	14 µg/ft²
	Site: MACHINE & ELECTRIC SHOP				
LEADWIPE-05	*0005*	7/15/2010	7/16/2010	144 in²	11 µg/ft²
	Site: MAIN WAREHOUSE - E WALL				

Initial report from 07/16/2010 15:18:29



Joe Centifonti, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected . This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. 10768 Baltimore Avenue, Beltsville MD AIHA-LAP, LLC--ELLAP Lab 102891

191006665

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID *(Lab Use Only)*: 191006665

EMSL ANALYTICAL, INC.
10768 BALTIMORE AVE
BELTSVILLE, MD 20705
PHONE: (301) 937-5700
FAX: (301) 937-5701

Company: Froehling & Robertson		**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments**	
Street: 7798 Waterloo Rd.		*Third Party Billing requires written authorization from third party*	
City: Jessup	**State/Province:** MD	**Zip/Postal Code:** 20794	**Country:** U.S.
Report To (Name): Alan Lederman		**Fax #:** 443-733-1015	
Telephone #: 443-733-1011		**Email Address:** alederman@fandr.com	
Project Name/Number: 2850 New York Ave.			
Please Provide Results: ☐ Fax ☑ Email	**Purchase Order:**	**U.S. State Samples Taken:** D.C.	

Turnaround Time (TAT) Options* - Please Check

☐ 3 Hours | ☐ 6 Hours | ☑ 24 Hours | ☐ 48 Hours | ☐ 3 Days | ☐ 4 Days | ☐ 5 Days | ☐ 10 Days

**Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide*

Matrix	Method	Instrument	Reporting Limit	Check
Chips ☐ mg/cm² ☐ % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%	☐
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter	☐
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter	☐
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter	☐
Wipe* ☑ ASTM ☐ non ASTM *if no box is checked, non-ASTM Wipe is assumed	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe	☑
	SW846-6010B or C	ICP-AES	0.5 µg/wipe	☐
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)	☐
Soil	SW846-7420	Flame Atomic Absorption	40 mg/kg (ppm)	☐
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)	☐
	SW86-6010B or C	ICP-AES	1 mg/kg (ppm)	☐
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)	☐
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)	☐

Other:	**Preservation Method (Water):**
Name of Sampler:	**Signature of Sampler:**

Sample #	Location	Volume/Area	Date/Time Sampled
⊗		144 Inches²	
Lead Wipe-01	Central Bay Door Area - East Wall	"	7/15/10
Lead Wipe-02	Mixing Tank Area	"	
Lead Wipe-03	Center of Main Warehouse	"	
Lead Wipe-04	Machine and Electric Shop	"	
Lead Wipe-05	Main Warehouse - East Wall	"	

Client Sample #'s	01 - 05			**Total # of Samples:**	5
Relinquished (Client):	K. Haworth Walk In	**Date:**	7/15/10	**Time:**	2:30PM
Received (Lab):		**Date:**	7/15/10	**Time:**	2:40pm
Comments:					

Reading No	Area	Component	Substrate	Condition	Color	Units	Action Level	PbC	PbC Error	LBP Y/N
1		CALIBRATION				mg / cm ^2	1	0.9	0.2	N/A
2		CALIBRATION				mg / cm ^2	1	1	0.2	N/A
3		CALIBRATION				mg / cm ^2	1	0.9	0.3	N/A
4	Exterior-NE Corner	Garage Door	Metal	Good	Red	mg / cm ^2	1	0	0.02	No
5	Exterior-NE Corner	Garage Door Frame	Metal	Good	Red	mg / cm ^2	1	0	0.02	No
6	Exterior-NE Corner	Wall	Cinderblock	Good	Blue	mg / cm ^2	1	0	0.02	No
7	Exterior-NE Corner	Bollard	Metal	Fair	Yellow	mg / cm ^2	1	0	0.04	No
8	Exterior-NE Corner	Door Frame	Metal	Fair	Purple	mg / cm ^2	1	0	0.02	No
9	Exterior-NE Corner	Door	Metal	Poor	Purple	mg / cm ^2	1	0	0.08	No
10	**Exterior-NE Corner**	**Door Lintel**	**Metal**	**Fair**	**White**	**mg / cm ^2**	**1**	**5.1**	**1.2**	**Yes**
11	Main Warehouse	Wall	Cinderblock	Good	Blue	mg / cm ^2	1	0	0.01	No
12	Main Warehouse	Ceiling	Metal	Poor	White	mg / cm ^2	1	0	0.04	No
13	Main Warehouse	I-Beam	Metal	Good	White	mg / cm ^2	1	0	0.03	No
14	Main Warehouse	Door Frame	Metal	Fair	Red	mg / cm ^2	1	0	0.03	No
15	Main Warehouse	Door	Metal	Fair	Blue	mg / cm ^2	1	0	0.02	No
16	**Main Warehouse**	**Door Lintel**	**Metal**	**Fair**	**Blue**	**mg / cm ^2**	**1**	**4**	**1.1**	**Yes**
17	Main Warehouse	Window Frame	Metal	Good	Red	mg / cm ^2	1	0	0.02	No
18	Main Warehouse	Bollard	Concrete	Good	Yellow	mg / cm ^2	1	0	0.06	No
19	**Main Warehouse**	**I-Beam**	**Metal**	**Good**	**White**	**mg / cm ^2**	**1**	**2.7**	**0.9**	**Yes**
20	**Main Warehouse**	**I-Beam**	**Metal**	**Good**	**White**	**mg / cm ^2**	**1**	**2.2**	**0.7**	**Yes**
21	Main Warehouse	Stair Stringer	Metal	Good	Blue	mg / cm ^2	1	0	0.06	No
22	Main Warehouse	Stair Rail	Metal	Good	Blue	mg / cm ^2	1	0	0.02	No
23	Main Warehouse	Stair Riser	Metal	Good	Blue	mg / cm ^2	1	0	0	No
24	Warehouse Mezzanine Offices	Wall	Sheetrock	Good	White	mg / cm ^2	1	0	0.04	No
25	Warehouse Mezzanine Offices	Duct	Metal	Fair	White	mg / cm ^2	1	0	0.05	No
26	Men's Locker Room	Wall	Cinderblock	Good	White	mg / cm ^2	1	0	0.06	No
27	Men's Locker Room	Wall	Sheetrock	Good	White	mg / cm ^2	1	0	0.06	No
28	Men's Locker Room	Lockers	Metal	Good	Red	mg / cm ^2	1	0.4	0.1	No
29	Men's Locker Room	Wall	Sheetrock	Good	White	mg / cm ^2	1	0	0	No
30	Men's Locker Room	Window Sill	Wood	Good	Blue	mg / cm ^2	1	0	0	No
31	Men's Locker Room	Ceiling Tile Supports	Metal	Good	Black	mg / cm ^2	1	0	0.02	No
32	**Men's Locker Room**	**I-Beam**	**Metal**	**Good**	**Orange**	**mg / cm ^2**	**1**	**3.2**	**1.3**	**Yes**
33	**Mezzanine Women's Room**	**Wall Tile**	**Ceramic**	**Good**	**White**	**mg / cm ^2**	**1**	**6.4**	**2.3**	**Yes**
34	Mezzanine Women's Room	Floor Tile	Ceramic	Good	Gray	mg / cm ^2	1	0	0.02	No
35	Main Warehouse	Floor	Concrete	Good	Gray	mg / cm ^2	1	0	0.02	No
36	NW Corner Offices	Door	Metal	Good	Gray	mg / cm ^2	1	0	0.02	No
37	NW Corner Offices	Door Frame	Metal	Good	Gray	mg / cm ^2	1	0	0.03	No
38	NW Corner Offices	Wall	Sheetrock	Good	White	mg / cm ^2	1	0	0.04	No

Reading No	Area	Component	Substrate	Condition	Color	Units	Action Level	PbC	PbC Error	LBP Y/N
39	NW Corner Offices	Ceiling	Sheetrock	Good	White	mg / cm ^2	1	0	0.02	No
40	NW Corner Offices	Wall	Sheetrock	Good	Gray	mg / cm ^2	1	0	0.03	No
41	NW Corner Offices	Window Frame	Metal	Good	Gray	mg / cm ^2	1	0	0.04	No
42	NW Corner Offices	Door	Metal	Good	Gray	mg / cm ^2	1	0	0.05	No
43	NW Corner Offices	Door Frame	Metal	Good	Gray	mg / cm ^2	1	0	0.02	No
44	NW Corner Offices	Door Frame	Metal	Good	Brown	mg / cm ^2	1	0	0.02	No
45	NW Corner Offices	Door	Wood	Good	Brown	mg / cm ^2	1	0	0.02	No
46		CALIBRATION				mg / cm ^2	1	0.9	0.2	N/A
47		CALIBRATION				mg / cm ^2	1	1	0.2	N/A
48		CALIBRATION				mg / cm ^2	1	0.9	0.3	N/A

EXPLANATION OF XRF DATA

The table header displays Inspector's name and license number, XL-309 serial number, the job site location, and sampling date.

Column	Description
Reading No	Consecutive sample numbers assigned by the instrument at testing time.
Site	Testing site location(s).
Component	The major building component being tested.
Substrate	The type of material underlying the painted coating.
Color	Color of the painted or varnished surface.
Result	Result of the test: NEG = negative POS = positive NULL = incomplete test / reading error *There is no inconclusive range for the Niton XL-309.*
Action Level	Concentration of lead defined as lead-based paint.
Pbc	Combined L and K-Shell x-ray readings of lead level.

W.P. HICKMAN
SYSTEMS, INC.™

30700 Solon Industrial Parkway
Solon, OH 44139 ▪ 440-248-7760
Fax: 440-248-6524

PERFORMANCE WARRANTY

Building Name	WASHINGTON TIMES
Building Address	2850 NEW YORK AVE. NE WASHINGTON, DC 20002
Building Owner	WASHINGTON TIMES
Roof Identification	SECTION D, E, & F
Contractor	BREEDING CONSTRUCTION
System Type	ASPHALT BUR
Total Sq./Ft. Coverage	31000 SQ. FT.
Flashing Type	HOT COMPOSITION
Completion Date	11/29/2006

W.P. Hickman Systems, Inc. ("Hickman"), an Ohio Corporation, guarantees to the Building Owner, subject to the terms, conditions and limitations stated herein, it will repair or cause to be repaired any leaks into the building interior through the above described Hickman Roof Assembly System as supplied by W.P. Hickman and installed by the above named Contractor, for a period of TWENTY (20) years from the date of completion stated above.

Full Coverage

During the term of this Warranty, Hickman will, upon prompt written notice by the Building Owner as hereinafter provided, take appropriate action to repair leaks which may occur. Hickman will inspect the roof and, if a leak is within the coverage of this Warranty, will at its own expense make or cause to be made all necessary repairs to the Hickman Roof Assembly to put it into watertight condition. Should investigation reveal that a leak is caused by something other than causes covered by this warranty, investigation and repair cost shall be assumed and paid by the Building Owner, who shall effect prompt and adequate repairs in a manner compatible with the Hickman System. The Building Owner will be responsible for the removal or replacement of any traffic surfaces or other appurtenances built over the roof are required in order to put the Hickman Roof Assembly in watertight condition.

Limitations

This Warranty is not an insurance policy, nor does it obligate Hickman to repair leaks if determined to be a result of the following:

A. Building design or construction.
B. Damage to the roofing system by any natural disasters, including but not limited to floods, lightning, hail, earthquakes, hurricane rated winds, etc.
C. Structural movement below the roof membrane and flashings.
D. Misuse of roof surface, abuse, vandalism, civil disobedience, acts of war, exposure to damaging chemicals, including but not limited to solvents, oils and acids.
E. Condensation within the assembly or moisture vapor/liquid infiltration throughout but not limited to walls, windows, etc.
F. Failure of the Owner to promptly notify Hickman in writing and receive written approval for:
   1. Changes in building usage.
   2. Modifications or additions of items to the existing roof.
G. Lack of positive drainage.
H. Metal components other than Hickman Metal Flash.
I. Loss or erosion of surfacing materials including, but not limited to, reflective coatings, granules, or aggregate are not covered by this warranty.

Hickman hereby assumes no responsibility for incidental or consequential damage to the structure, its contents, loss of time, profits, energy or any inconvenience from any type of roof leak or damage. Hickman's sole responsibility hereunder is the cost of repairs to put the membrane assembly into a watertight condition.

Hickman's exclusive responsibility and liability under this Warranty is to make repairs that may be required to return the roof to a watertight condition in accord with the obligations which are Hickman's responsibility under this Warranty.

TO THE FULLEST EXTENT PERMITTED BY APPLIICABLE LAW, HICKMAN HEREBY DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, OR, LIMITS SUCH WARRANTY TO THE DURATION AND TO THE EXTENT OF THE EXPRESS WARRANTY REPRESENTED BY THIS WARRANTY. There are no warranties which extend beyond the description of the face hereof. This warranty will be governed by and construed under the laws of the state of Ohio without regard to conflict-of-laws principles that would require the application of any other law.

Owners Responsibility

In the event of a leak in the roofing system or flashing assembly, the Building Owner must notify Hickman in writing within ten (10) days after the discovery of the leak and provide access to the roof. THE HICKMAN SERVICE WARRANTY DOES NOT ABSOLVE THE BUILDING OWNER/CUSTOMER OF MAINTENANCE RESPONSIBILITY THAT IS REQUIRED TO KEEP THIS WARRANTY IN FULL FORCE AND EFFECTIVE. Refer to the W.P. Hickman Roof Membrane System Care & Maintenance Information Packet for maintenance guidelines.

As Hickman does not practice engineering or architecture, neither the issuance of this Warranty or any review of the building's construction by our representatives shall constitute any additional warranty.

W.P. Hickman shall have no obligation under this Warranty unless W.P. Hickman and the installing applicator have been paid in full for all materials, supplies, services, warranty costs and other costs which are included in, or incidental to, the Roofing System.

Ninety days prior to the expiration of this warranty, you may contact W.P. Hickman for service options available at that time.

Transfer of Warranty

This Warranty may be transferred by the Building Owner to a subsequent purchaser of the property by giving not less than ten days written notice to Hickman of such proposed transfer, during which time Hickman will inspect the roofing system to make a written report to the Building Owner and the proposed purchaser of its findings and any adjustments required. Refer to Care & Maintenance Guide for more information.

W.P. Hickman Systems, Inc.

Authorized Signature _____

Title WARRANTY MANAGER

Date 07/20/2007

A P P E N D I X D

D-1 Summary of Limited Asbestos Survey Results
D-2 Summary of Asbestos-Containing Materials

TABLE D-1
DRAFT SUMMARY OF LIMITED ASBESTOS SURVEY RESULTS
RENOVATIONS TO ACCOMMODATE
COLLOCATION OF SIX (6) METROPOLITAN POLICE DEPARTMENT
UNITS AT 2850 NEW YORK AVENUE, NE
WASHINGTON, DISTRICT OF COLUMBIA

HOMOGENEOUS AREA	DATE	SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	PLM RESULT
1	5/12/2011	2850-0512-01	CMU Mortar	Rack Storage Room Wall	NAD
1	5/12/2011	2850-0512-02	CMU Mortar	Warehouse Wall	NAD
1	5/12/2011	2850-0512-03	CMU Mortar	Loading Dock Wall	NAD
2	5/12/2011	2850-0512-04	Brick Mortar	Exterior – West Façade	NAD
2	5/12/2011	2850-0512-05	Brick Mortar	Exterior – South Façade	NAD
2	5/12/2011	2850-0512-06	Brick Mortar	Exterior – South Façade	NAD
3	5/12/2011	2850-0512-07	6”x6” Brown Ceramic Tile Grout	Lobby Storage Room	NAD
3	5/12/2011	2850-0512-08	6”x6” Brown Ceramic Tile Grout	Lobby Storage Room	NAD
3	5/12/2011	2850-0512-09	6”x6” Brown Ceramic Tile Grout	Lobby Storage Room	NAD
4	5/12/2011	2850-0512-10	Yellow Mastic associated with Brown Ceramic Tile Cove Base	Lobby Storage Room	NAD
4	5/12/2011	2850-0512-11	Yellow Mastic associated with Brown Ceramic Tile Cove Base	Lobby Storage Room	NAD
4	5/12/2011	2850-0512-12	Yellow Mastic associated with Brown Ceramic Tile Cove Base	Lobby	NAD
5	5/12/2011	2850-0512-13	Expansion Joint – Floor	Corridor at TCG Room	NAD
5	5/12/2011	2850-0512-14	Expansion Joint – Floor	Storage Locker Door	NAD
5	5/12/2011	2850-0512-15	Expansion Joint – Floor	Loading Dock Floor	NAD
6	5/12/2011	2850-0512-16	Paper Covering over Fiberglass Duct Insulation	Corridor at TCG Room	NAD
6	5/12/2011	2850-0512-17	Paper Covering over Fiberglass Duct Insulation	Fleet Services Office	NAD
6	5/12/2011	2850-0512-18	Paper Covering over Fiberglass Duct Insulation	Mezzanine Men’s Locker Room	NAD
7	5/12/2011	2850-0512-19	Expansion Joint – Wall	Warehouse	NAD
7	5/12/2011	2850-0512-20	Expansion Joint – Wall	Warehouse	NAD
7	5/12/2011	2850-0512-21	Expansion Joint – Wall	Warehouse	NAD
8	5/12/2011	2850-0512-22	Paper Covering over Fiberglass Pipe Insulation	Warehouse at Eyewash	NAD
8	5/12/2011	2850-0512-23	Paper Covering over Fiberglass Pipe Insulation	Fleet Service Office	NAD
8	5/12/2011	2850-0512-24	Paper Covering over Fiberglass Pipe Insulation	Mezzanine Janitor’s Closet	NAD
9	5/12/2011	2850-0512-25	Black Vibration Cloth	Ink Room, Unit #1	NAD
9	5/12/2011	2850-0512-26	Black Vibration Cloth	Ink Room, Unit #3	NAD
9	5/12/2011	2850-0512-27	Black Vibration Cloth	Ink Room, Unit #3	NAD
10	5/12/2011	2850-0512-28	Brown Wallpaper	James Nickell Office	NAD
10	5/12/2011	2850-0512-29	Brown Wallpaper	James Nickell Office	NAD
10	5/12/2011	2850-0512-30	Brown Wallpaper	James Nickell Office	NAD
11	5/12/2011	2850-0512-31	Gray Linoleum	Pre-Press Room	NAD
11	5/12/2011	2850-0512-32	Gray Linoleum	Pre-Press Room	NAD
11	5/12/2011	2850-0512-33	Gray Linoleum	Image and Scanning Storage Room	NAD
12	5/12/2011	2850-0512-34	Brown Mastic associated with Gray	Pre-Press Room	NAD
12	5/12/2011	2850-0512-35	Brown Mastic associated with Gray	Pre-Press Room	NAD
12	5/12/2011	2850-0512-36	Brown Mastic associated with Gray	Image and Scanning Storage Room	NAD
13	5/12/2011	2850-0512-37	Gray with Silver Flecks Flooring Material	Image and Scanning Storage Room	NAD
13	5/12/2011	2850-0512-38	Gray with Silver Flecks Flooring Material	Image and Scanning Storage Room	NAD
13	5/12/2011	2850-0512-39	Gray with Silver Flecks Flooring Material	Image and Scanning Storage Room	NAD
14	5/12/2011	2850-0512-40	Black Expansion Joint under Gray Expansion Joint Caulk	Exterior Facade	NAD
14	5/12/2011	2850-0512-41	Black Expansion Joint under Gray Expansion Joint Caulk	Exterior Facade	NAD
14	5/12/2011	2850-0512-42	Black Expansion Joint under Gray Expansion Joint Caulk	Exterior Facade	NAD

Notes:

1. NAD - No Asbestos Detected

2. For additional asbestos sample results, refer to the report titled "Space Program, District of Columbia, Department of Real Estate Services, Metropolitan Police Department” (MPD Space Program report) prepared by Atelier Architects, Inc. dated July 23, 2010.

TABLE D-2
DRAFT SUMMARY OF POSITIVE ASBESTOS BULK SAMPLE RESULTS
RENOVATIONS TO ACCOMMODATE
COLLOCATION OF SIX (6) METROPOLITAN POLICE DEPARTMENT
UNITS AT 2850 NEW YORK AVENUE, NE
WASHINGTON, DISTRICT OF COLUMBIA

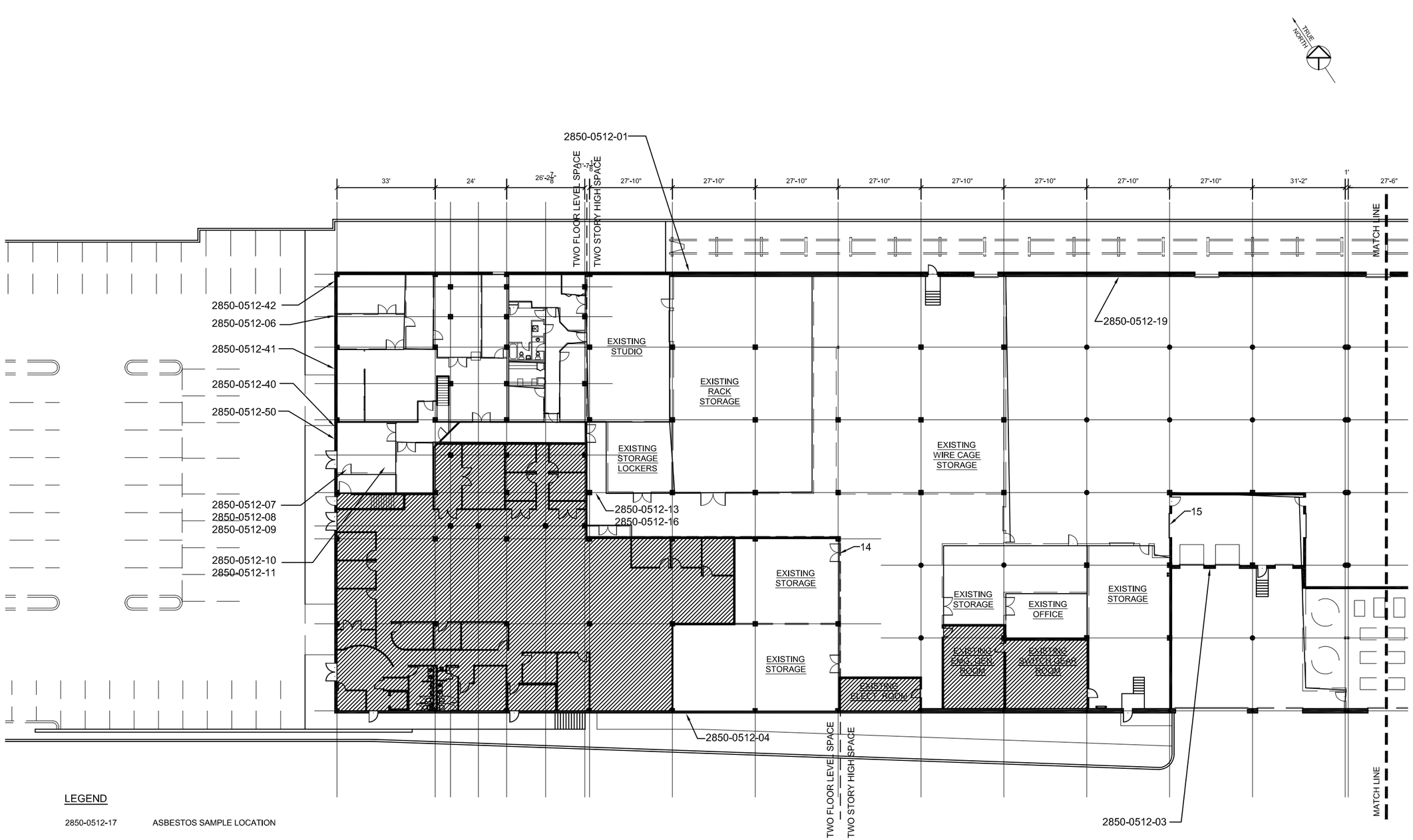
SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	FRIABILITY	CONDITION	APPROXIMATE QUANTITY	UNITS
2850-36	Expansion Joint Caulk (Prior Report)	Expansion Joints Throughout Exterior	No	Fair	250	LF
2850-39	Remnant Black Floor Tile Mastic (Prior Report)	Warehouse Mezzanine Offices	No	Fair	1500	SF
Presumed	Exterior Metal Fire Door Insulation (Prior Report)	Exterior Metal Doors	Yes	Unknown	8	Each
Presumed	Roofing Materials (Prior Report)	Roof	No	Fair	300	SF

Notes:

1. Information in this table provided by the report titled "Space Program, District of Columbia, Department of Real Estate Services, Metropolitan Police Department" (MPD Space Program report) prepared by Atelier Architects, Inc. dated July 23, 2010

A P P E N D I X E

Sample Location Plans



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CONSULTANTS

SEALS

PROJECT IDENTIFICATION

DEPARTMENT OF REAL ESTATE SERVICES
MPD RELOCATION
2850 NEW YORK AVENUE
WASHINGTON, DC 20002

MARK	DATE	DESCRIPTION	BY

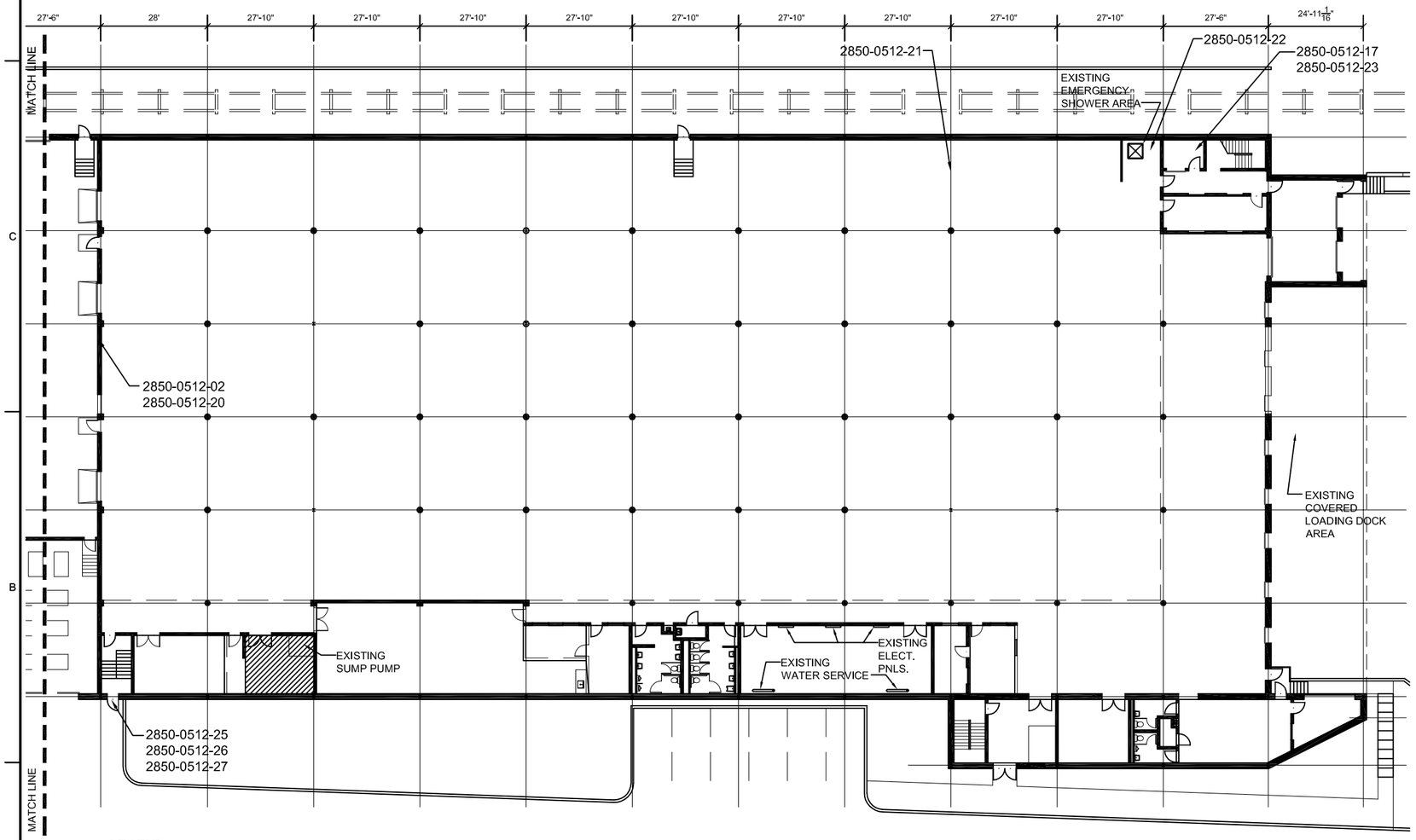
ISSUE BLOCK

PROJECT NO.:	3015141-0001
CAD FILE:	ENV-01.dwg
DESIGNED BY:	D.G.
DRAWN BY:	L.S.
CHECKED BY:	P.B.
APPROVED BY:	D.H.

SHEET TITLE

ASBESTOS SAMPLE LOCATION PLAN 1ST FLOOR

ENV-1



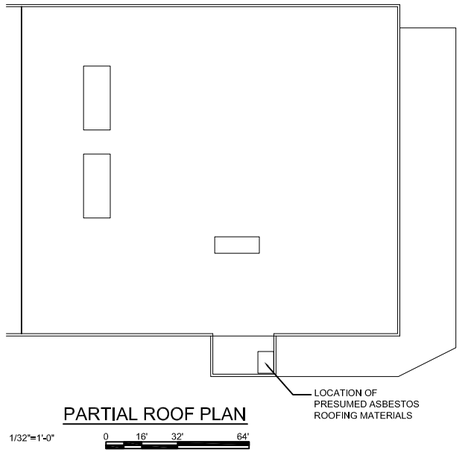
LEGEND

2850-0512-17 ASBESTOS SAMPLE LOCATION

AREAS NOT ACCESSIBLE AND/OR NOT IN SCOPE OF WORK

1ST FLOOR PLAN

1/16"=1'-0" 0 8' 16' 32'



PARTIAL ROOF PLAN

1/32"=1'-0" 0 16' 32' 64'

TRUE NORTH

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MPD RELOCATION
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WASHINGTON, DC 20002

MARK	DATE	DESCRIPTION	BY

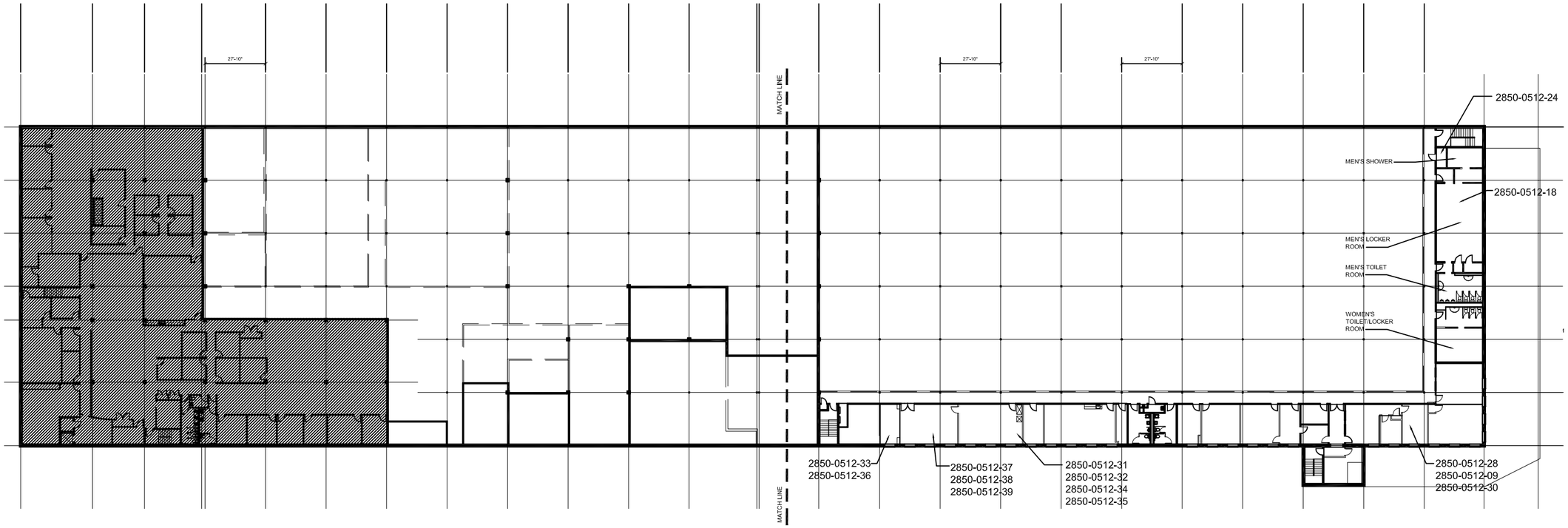
ISSUE BLOCK

PROJECT NO.:	3015141-0001
CAD FILE:	ENV-02.dwg
DESIGNED BY:	D.G.
DRAWN BY:	L.S.
CHECKED BY:	P.B.
APPROVED BY:	D.H.

SHEET TITLE

ASBESTOS SAMPLE LOCATION PLAN 1ST FLOOR

ENV-2



LEGEND

2850-0512-17 ASBESTOS SAMPLE LOCATION

AREAS NOT ACCESSIBLE AND/OR NOT IN SCOPE OF WORK

MEZZANINE PLAN

NTS

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MPD RELOCATION
2850 NEW YORK AVENUE
WASHINGTON, DC 20002

MARK	DATE	DESCRIPTION	BY

ISSUE BLOCK

PROJECT NO.: 3015141-0001	
CAD FILE: ENV-03.dwg	
DESIGNED BY:	D.G.
DRAWN BY:	L.S.
CHECKED BY:	P.B.
APPROVED BY:	D.H.

SHEET TITLE

ASBESTOS SAMPLE LOCATION PLAN MEZZANINE LEVEL

ENV-3

APPENDIX F

Photo Log

Photo 1 –View of Asbestos Expansion Joint Caulk Previously Sampled

Photo 2: View of Asbestos Remnant Black Floor Tile Mastic Previously Sampled

Photo 3 –View of CMU Mortar Sample 2850-0512-01

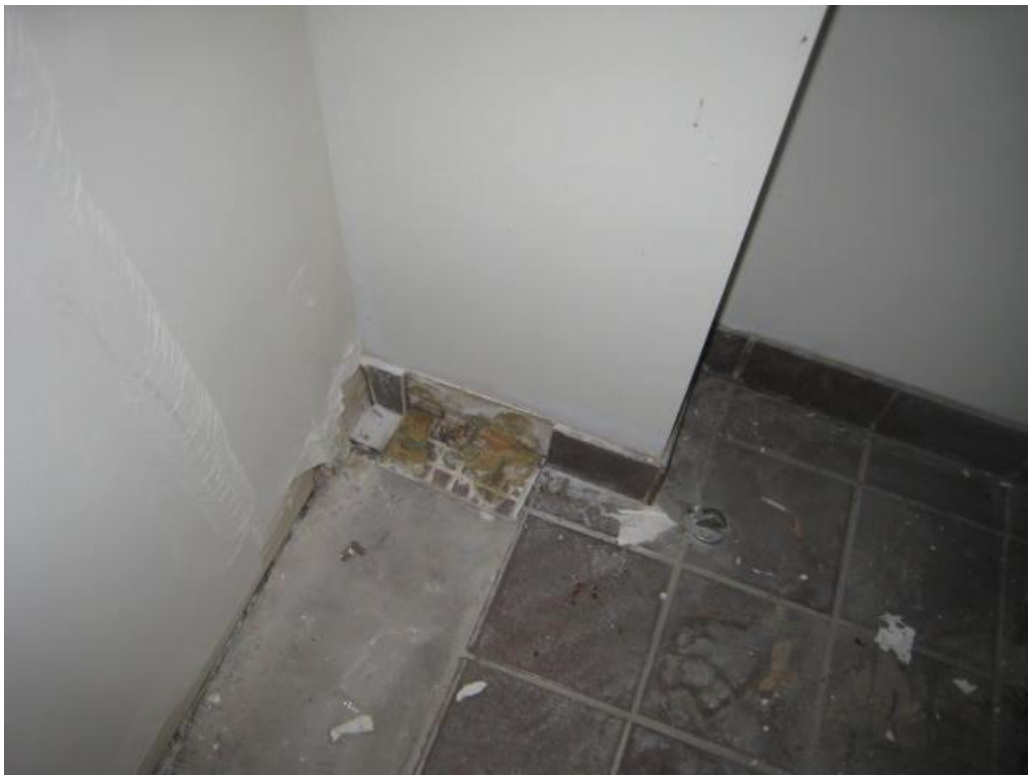

Photo 4 –View of 6”x6” Brown Ceramic Floor Tile Sample 2850-0512-07

Photo 5 –View of Expansion Joint – Floor Sample 2850-0512-13

Photo 6 –View of Paper Covering Over Fiberglass Duct Insulation Sample 2850-0512-16

Photo 7 –View of Expansion Joint - Wall Sample 2850-0512-19

Photo 8 –View of Paper Covering Over Fiberglass Pipe Insulation Sample 2850-0512-22

Photo 9 –View of Black Vibration Cloth Sample 2850-0512-25

Photo 10 –View of Assumed Asbestos Roofing Materials