

**ASBESTOS SURVEY**  
**PARCEL 3 BUILDINGS**  
Forest and East 7<sup>th</sup> Street Site  
St. Paul, Minnesota

---

AET Project No. 03-03262.02

**Date:**

May 18, 2009

**Prepared for:**

Saint Paul Port Authority  
345 St. Peter Street  
St. Paul, Minnesota 55102-1661



AMERICAN  
ENGINEERING  
TESTING, INC.

CONSULTANTS  
• ENVIRONMENTAL  
• GEOTECHNICAL  
• MATERIALS  
• FORENSICS

May 18, 2009

Saint Paul Port Authority  
345 St. Peter Street  
St. Paul, Minnesota 55102-1661

Attn: Mr. Monte Hilleman

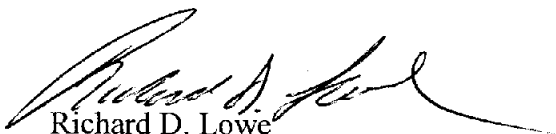
RE: Asbestos Survey  
Parcel 3 Buildings  
Forest and East 7<sup>th</sup> Street Site  
AET Project No. 03-03262.02

Dear Mr. Hilleman:

American Engineering Testing, Inc. has completed an Asbestos Survey at the above-referenced site in St. Paul, Minnesota.

We appreciate the opportunity to have been of service to you on this project. If you have any questions regarding the information in this report, or if we can be of additional service, please contact me.

Sincerely,  
American Engineering Testing, Inc.



Richard D. Lowe  
Senior Environmental Scientist

(651) 659-1316  
[rlowe@amengtest.com](mailto:rlowe@amengtest.com)



Robert A. Kaiser  
Vice President Environmental Division

(651) 659-1308  
[rkaiser@amengtest.com](mailto:rkaiser@amengtest.com)



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**ASBESTOS SURVEY  
PARCEL 3 BUILDINGS  
FOREST AND EAST 7<sup>TH</sup> STREET SITE  
ST. PAUL, MINNESOTA**

**AET PROJECT NO. 03-03262.02**

**INTRODUCTION**

American Engineering Testing, Inc. (AET) was authorized by the Port Authority of the City of St. Paul (Port Authority) to conduct this Asbestos Survey of the buildings on Parcel 3 at the Forest and East 7<sup>th</sup> Street Site addressed at 900 Bush Avenue in St. Paul (Figure 1).

**PROJECT SCOPE**

**Buildings 1, 2, 3, 14, 20, 21 and 41**

The scope of our services concerning these buildings includes the following:

- Observe the buildings and review building plans to obtain information indicating the existence of asbestos containing material (ACM).
- Verify information within the previous Industrial Hygiene Services Corporation (IHSC) asbestos surveys.
- Locate and sample as needed thermal system insulation, surfacing material, and miscellaneous material identified as suspect ACM and not previously sampled and analyzed for asbestos.
- Analyze the suspect ACM samples for asbestos content.
- Assess the condition and estimate the quantities of any confirmed ACM.
- Prepare a written report.

**Building 42**

The scope of our services in Building 42 includes the following:

- Observe the building and review building plans to obtain information indicating the existence of asbestos containing material (ACM).

- Locate and sample, where accessible, wall plaster and sheetrock or other thermal system insulation, surfacing material, and miscellaneous material identified as suspect ACM and not previously sampled and analyzed for asbestos.
- Verify information within the previous IHSC asbestos survey.
- Analyze the suspect ACM samples for asbestos content.
- Assess the condition and estimate the quantities of any confirmed ACM.
- Prepare a written report.

## **PROCEDURES AND METHODOLOGY**

Between March 25, and April 2, 2009, Richard Lowe and Adam Zobel of American Engineering Testing, Inc., (AET) collected 117 representative suspect ACM samples from the interior of Buildings 1, 2, 14, 20, 21, 41, and 42. *Note: No samples were collected from Building 3 since suspect materials in addition to those identified in the IHSC surveys were not noted and additional sampling to verify previously noted ACM was not needed.* The locations of the suspect ACM samples are depicted on Figures 2 through 8. A copy of Richard Lowe's and Adam Zobel's asbestos inspector accreditation certificates are attached at Appendix A.

Bulk samples of suspect ACM were collected by physically excising part of a representative material. Each sample was placed in a separate Whirlpack plastic bag numbered in sequence of collection. The sample numbers and descriptions of the sample locations were recorded separately. The samples were then submitted to Legend Technical Services, Inc. (Legend) for analysis.

ACM sampling was conducted according to the EPA Guidance Document *Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials* (EPA 560/5-85-030a, October 1985). Asbestos analysis was performed using EPA Method 600/R-93/116, July 1993.

## **FINDINGS**

The Legend report and the chain-of-custody are included in Appendix B. Refer to Tables 1-7 for a summary of asbestos results, estimated quantities and a description of sample locations. This asbestos survey noted the following findings as they relate to the previous IHSC asbestos surveys:

- For Buildings 1, 3, 21 and 41, our asbestos survey confirms the results of the previous IHSC asbestos surveys.
- For Building 2, our asbestos survey confirms the results of the previous IHSC asbestos survey except for the following:
  - We identified an additional 70 square feet of asbestos containing transite in basement room 51.
  - We identified an additional 340 square feet of asbestos containing ceiling tile adhesive (pucks) in room 29 on the first level.
- For Building 14, our asbestos survey confirms the results of the previous IHSC asbestos survey except for the following:
  - We identified asbestos containing window glaze on an additional 48 windows. Based on the results of our survey, the window glaze on the older windows of Building 14 is considered ACM.
- For Building 20, our asbestos survey confirms the results of the previous IHSC asbestos survey except for the following:
  - We identified an additional 120 square feet of asbestos containing 12" x 12" tan floor tile and associated asbestos containing black mastic.
- For Building 42, our asbestos survey confirms the results of the previous IHSC asbestos survey except for the following:
  - We identified an additional 86,519 square feet of asbestos containing ceiling tile adhesive. We conclude all ceiling tile adhesive in Building 42 as ACM.
  - We identified an additional 1,100 square feet of asbestos containing 2' x 4' ceiling tile.

- Wall plaster throughout the building was previously assumed to be asbestos containing in the IHSC survey. Our survey did not detect asbestos within 30 wall and ceiling plaster samples collected and analyzed from throughout Building 42. However, the IHSC survey previously identified asbestos in the wall plaster in the basement of Building 42. Based on the results of the IHSC survey, we conclude the wall plaster in the basement of Building 42 is asbestos containing, and the wall plaster on the remaining eight floors does not contain asbestos. Therefore, we estimate approximately 10,358 square feet of wall plaster is asbestos containing.
- Sheetrock throughout the building was previously assumed to be asbestos containing in the IHSC survey. Our survey did not detect asbestos within 21 sheetrock samples collected from within Building 42. We conclude sheetrock in Building 42 does not contain asbestos.

## **DISCUSSION**

### **Asbestos Containing Material (ACM)**

A building material is considered ACM when it contains more than 1% asbestos.

### **Friable and Non-Friable**

Non-friable ACM in good condition poses a very low risk of releasing airborne asbestos fibers. However, non-friable ACM poses a risk of releasing airborne asbestos fibers when cut, sanded, drilled, burned, etc. or when present in damaged condition. Transite, ceiling tile adhesive, window glaze, floor tile, and floor tile adhesive (mastic) are considered non-friable.

A material is considered friable when it can be crushed under hand pressure. These materials are likely to generate asbestos fibers when disturbed and can also pose a threat to human health if they are in poor condition. Ceiling tile is considered friable.

## LIMITATIONS

The information in this report is deemed reliable but does not guarantee that all ACM has been located or identified. Some reasons for this are:

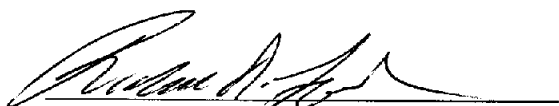
- For each suspected ACM, sampling was performed randomly and the material was assumed to be homogeneous. The possibility exists that material composition may be different at locations other than from where the samples were collected.
- Unless specifically noted, our findings and the areas we selected to be sampled were based on visual observations. Materials and conditions, which are concealed or inaccessible, may not have been discovered.

## CLOSURE

The services performed by American Engineering Testing, Inc. for this project have been conducted in a manner consistent with that level of skill and care ordinarily exercised by other members of the profession currently practicing in this area, under similar budgetary and time constraints.

If conditions differing from our original findings are found, AET should be immediately contacted to review these conditions and determine if there are any material impacts on any of our findings, conclusions, and recommendations.

Report Prepared by:  
American Engineering Testing, Inc.



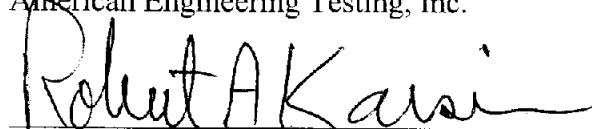
Richard D. Lowe  
Senior Environmental Scientist

Report Prepared by:  
American Engineering Testing, Inc.

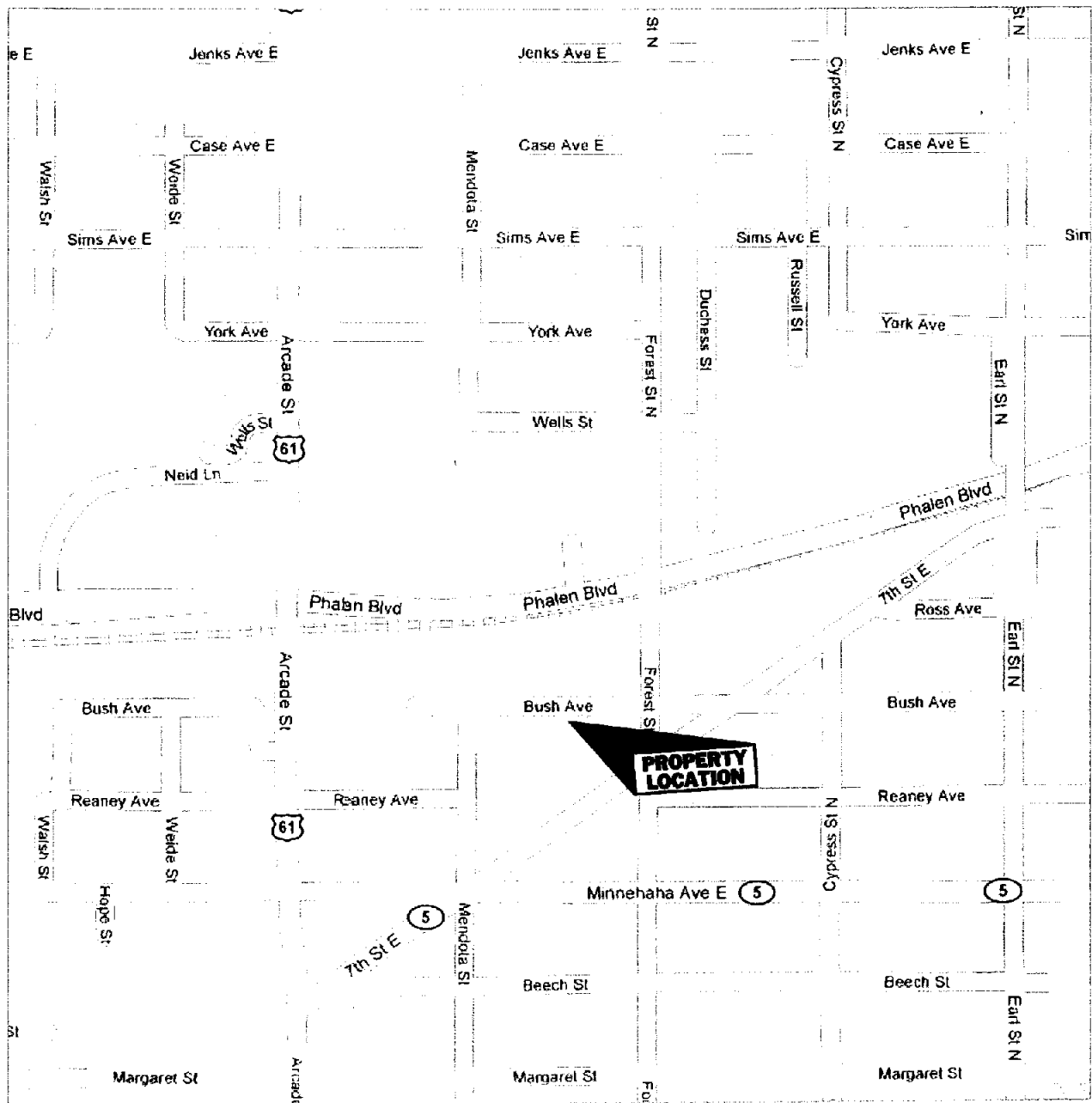


Adam P. Zobel  
Environmental Scientist

Report Reviewed by:  
American Engineering Testing, Inc.



Robert A. Kaiser, Vice President  
Environmental Division



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TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

**SUBJECT:** Site Location Map

**SCALE:** --

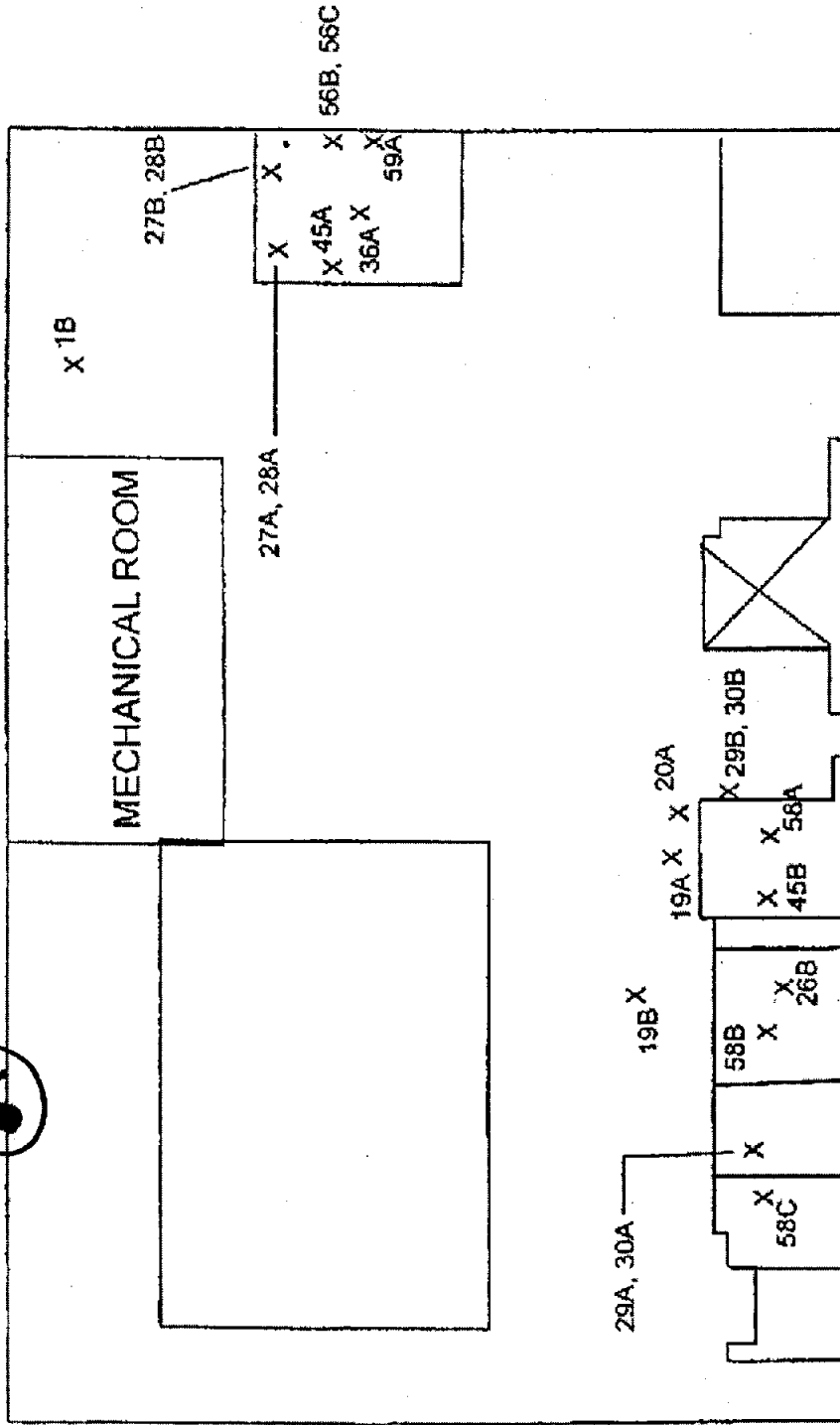
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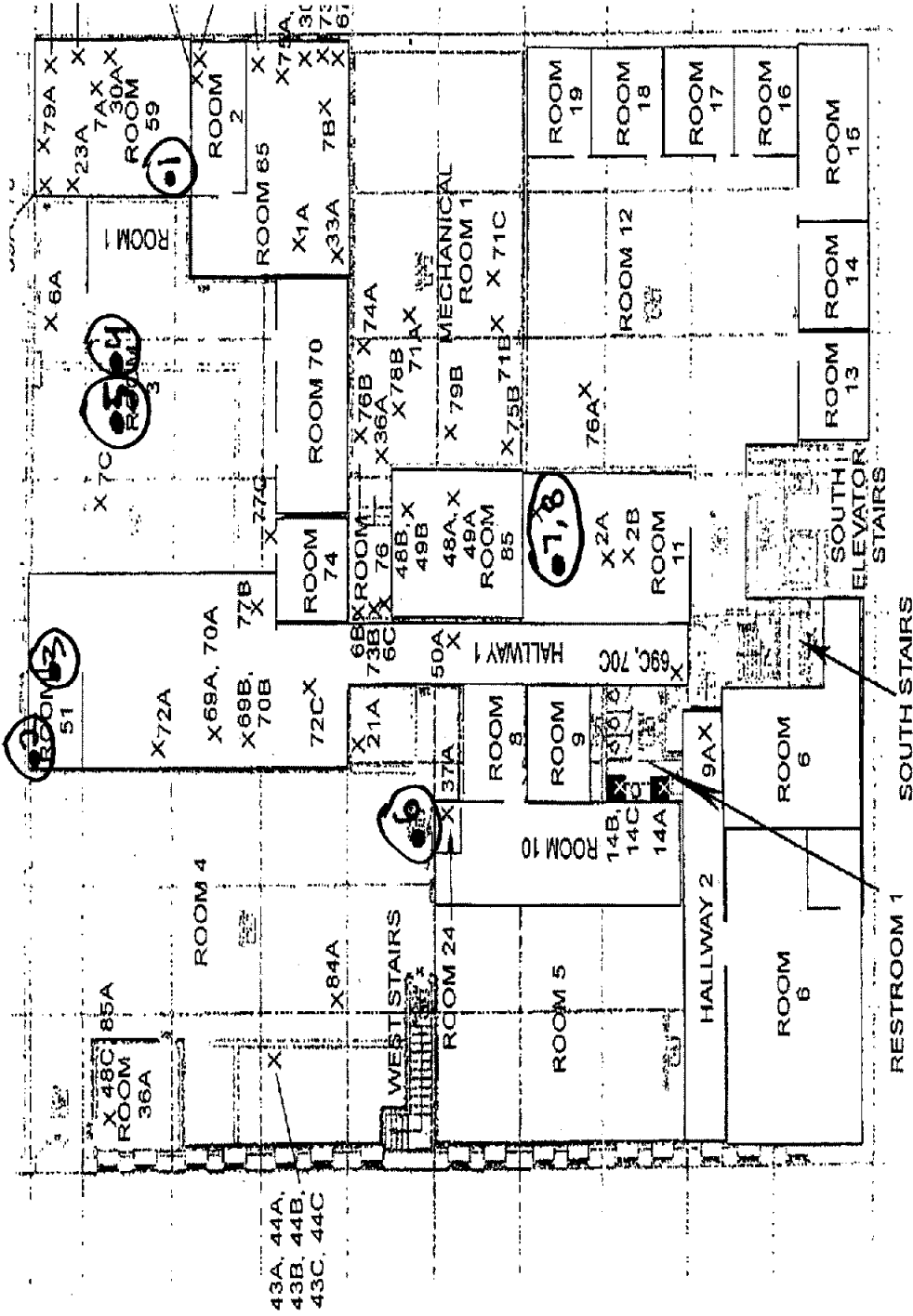
**AET Project No.**  
03-03262.02

**DATE** May 8, 2009

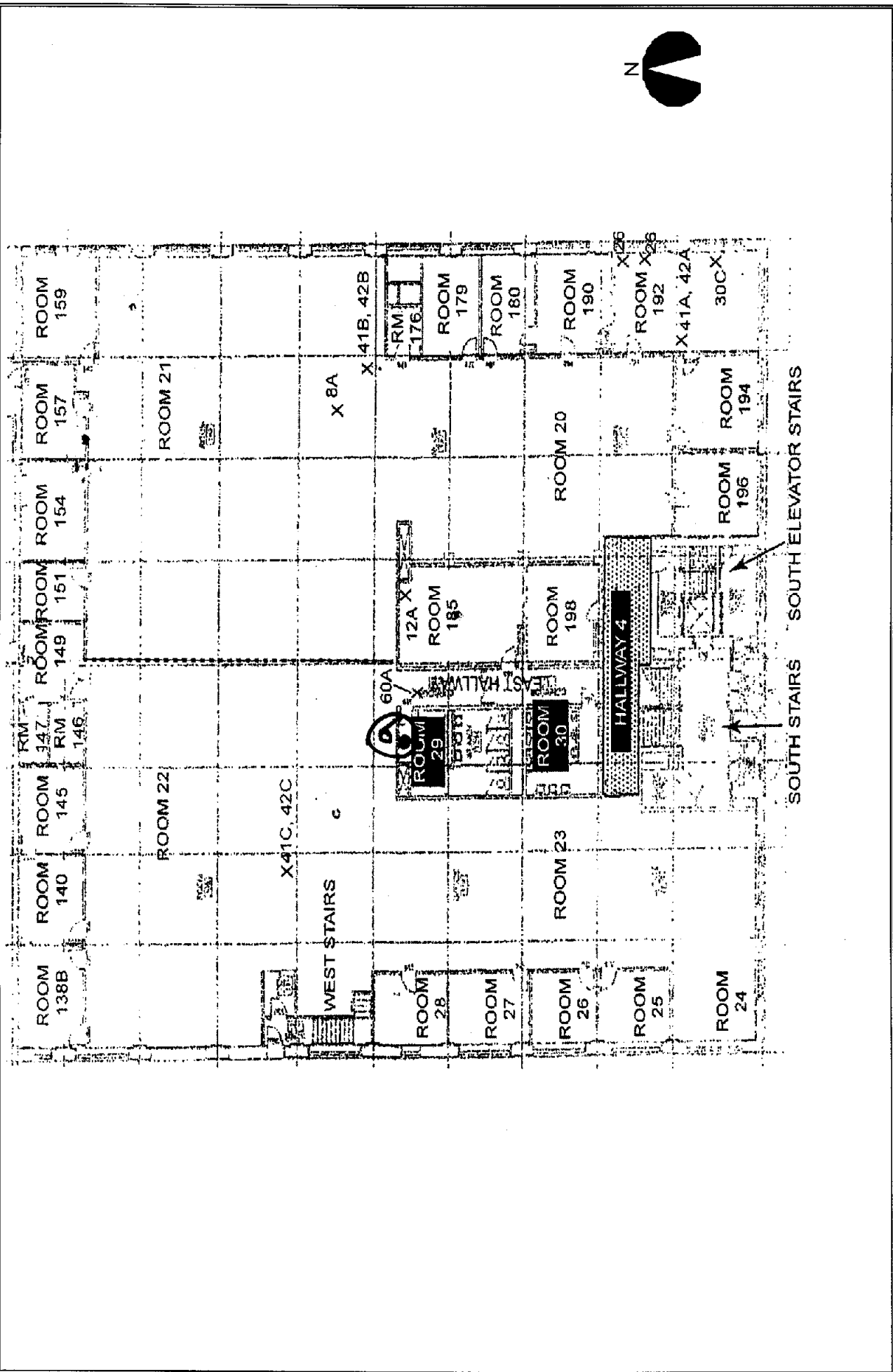
**FIGURE 1**



<b>AMERICAN ENGINEERING TESTING, INC.</b>	<b>PROJECT:</b> Asbestos Survey, 3M, Parcel 3, Forest and East 7 <sup>th</sup> Street Site, St. Paul, MN	<b>AET Project No.</b> 03-03262.02
	<b>SUBJECT:</b> Building 1, Floor B	<b>DATE</b> May 8, 2009
	<b>SCALE:</b> --	<b>DRAWN BY:</b> AZ
<b>FIGURE 2</b>		

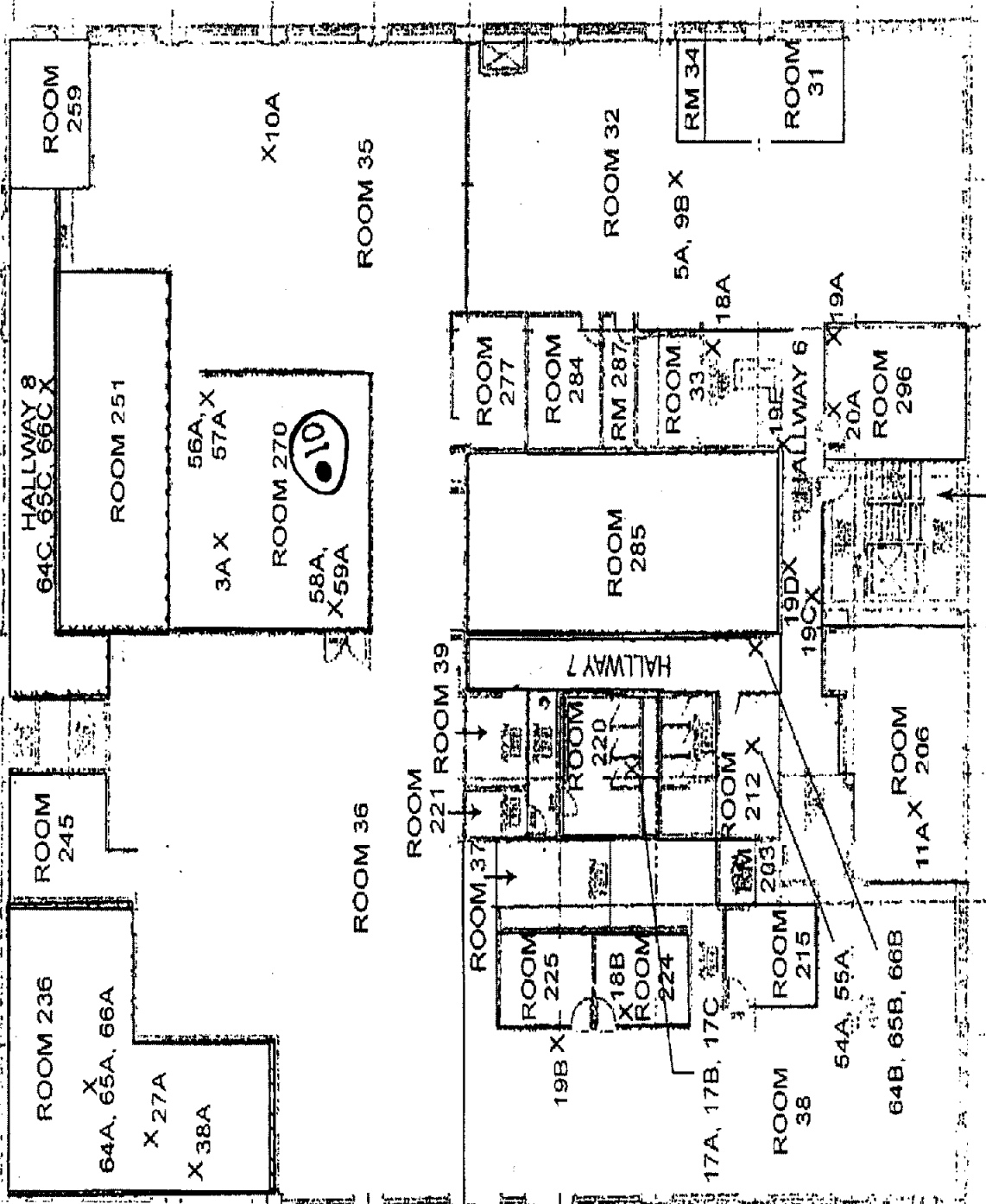
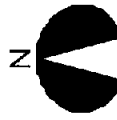


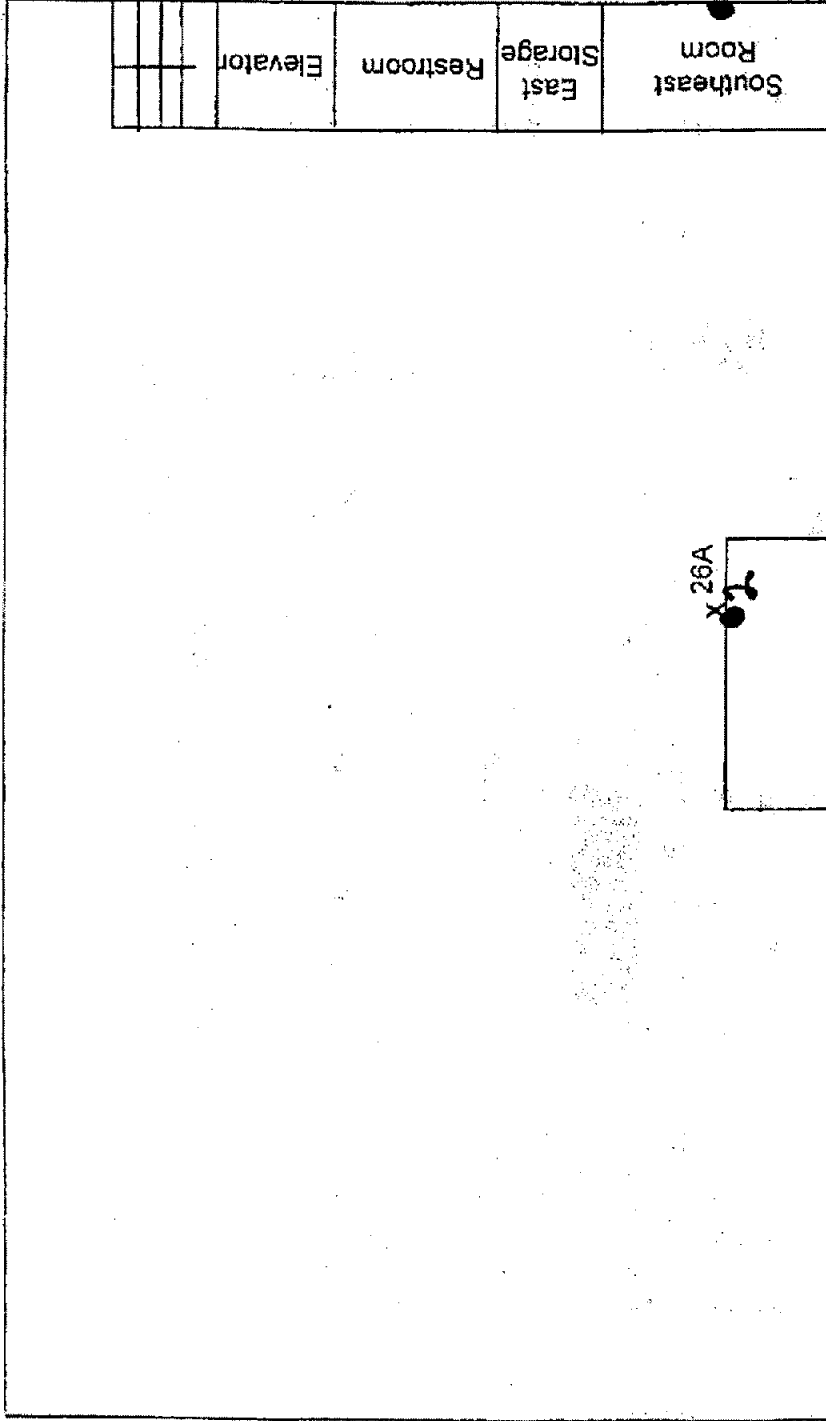
<b>AMERICAN ENGINEERING TESTING, INC.</b>	PROJECT: Asbestos Survey, 3M, Parcel 3, Forest and East 7th Street Site, St. Paul, MN		AET Project No. 03-03262.02
	SUBJECT: Building 2, Floor B		DATE May 8, 2009
	SCALE: --	DRAWN BY: AZ	CHECKED BY: RL
			<b>FIGURE 3A</b>



<b>AMERICAN ENGINEERING TESTING, INC.</b>	<b>PROJECT:</b> Asbestos Survey, 3M, Parcel 3, Forest and East 7 <sup>th</sup> Street Site, St. Paul, MN	AET Project No. 03-03262.02
	<b>SUBJECT:</b> Building 2, Floor 1	DATE May 8, 2009
	<b>SCALE:</b> --	<b>DRAWN BY:</b> AZ

**FIGURE 3B**





**PROJECT:**

Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street Site, St. Paul, MN

**SUBJECT:**

Building 14, Floor B

**SCALE:**

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**DRAWN BY:** AZ

**CHECKED BY:** RL

**AET Project No.**

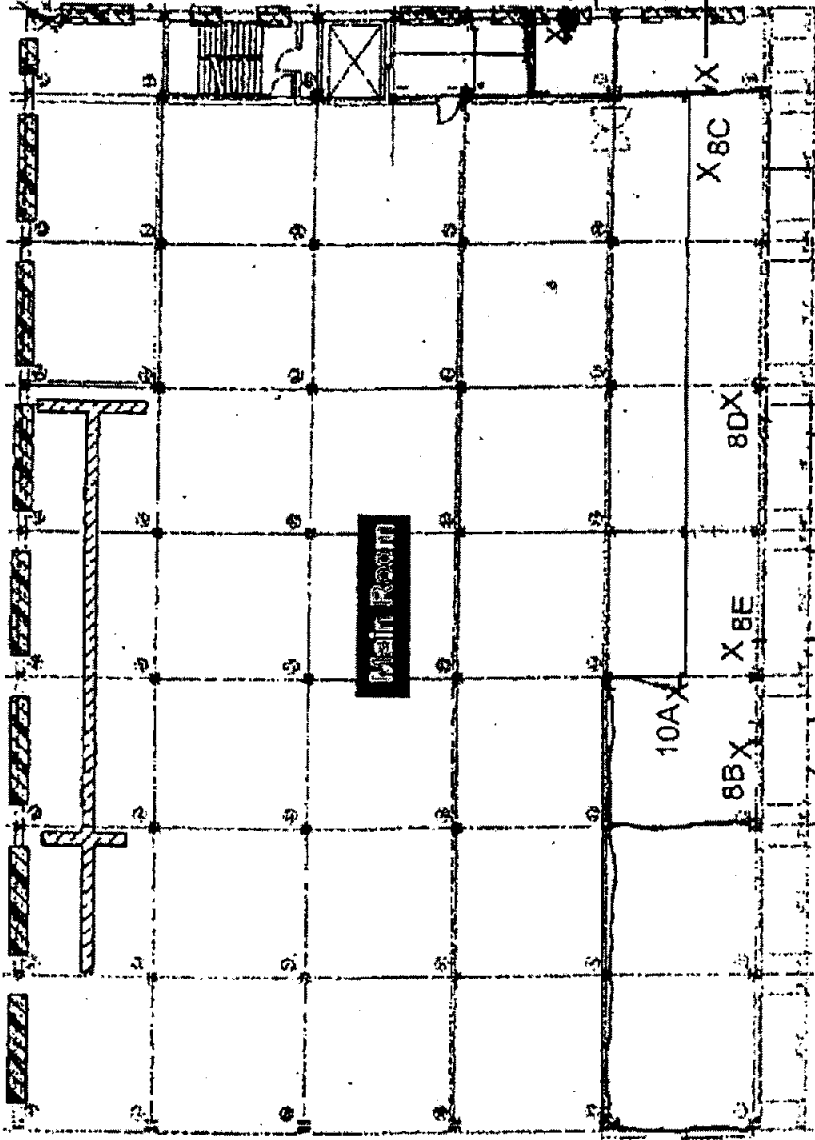
03-03262-02

**DATE** May 8, 2009

**FIGURE 4A**

**AMERICAN  
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7A, 8A, 9A



← First Floor East Restroom  
11A

← First Floor Locker Room

12A, 13A

Main Room

10AX

8BX

X 8E

8DX

X 8C

**AMERICAN  
ENGINEERING  
TESTING, INC.**

PROJECT: Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street Site, St. Paul, MN

SUBJECT: Building 14, Floor 1

SCALE: --

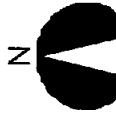
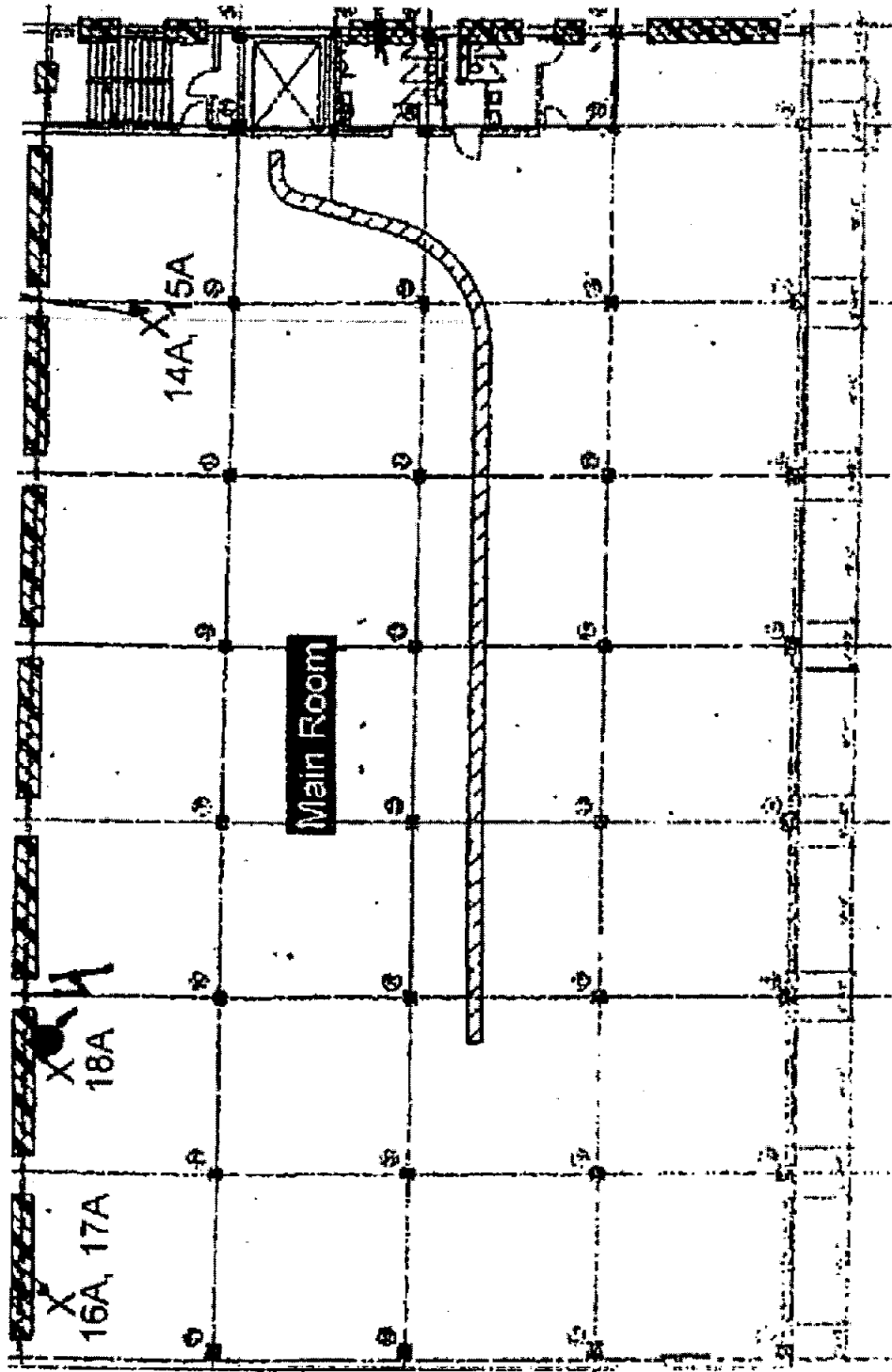
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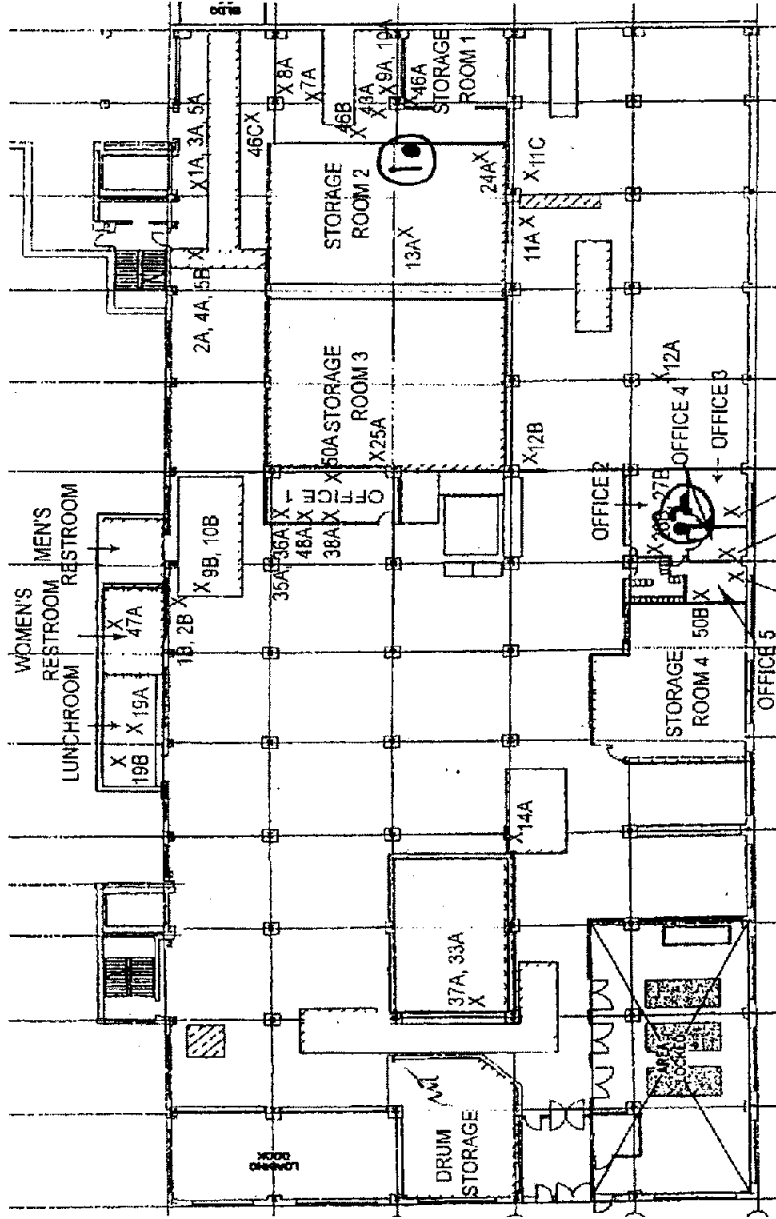
AET Project No.  
03-03262-02

DATE May 8, 2009

**FIGURE 4B**



<b>AMERICAN ENGINEERING TESTING, INC.</b>	<b>PROJECT:</b> Asbestos Survey, 3M, Parcel 3, Forest and East 7th Street Site, St. Paul, MN		AET Project No. 03-03262.02
	<b>SUBJECT:</b> Building 14, Floor 2		DATE May 8, 2009
	SCALE: --	DRAWN BY: AZ	CHECKED BY: RL
<b>FIGURE 4C</b>			



AET Project No.  
03-03262-02  
DATE May 8, 2009

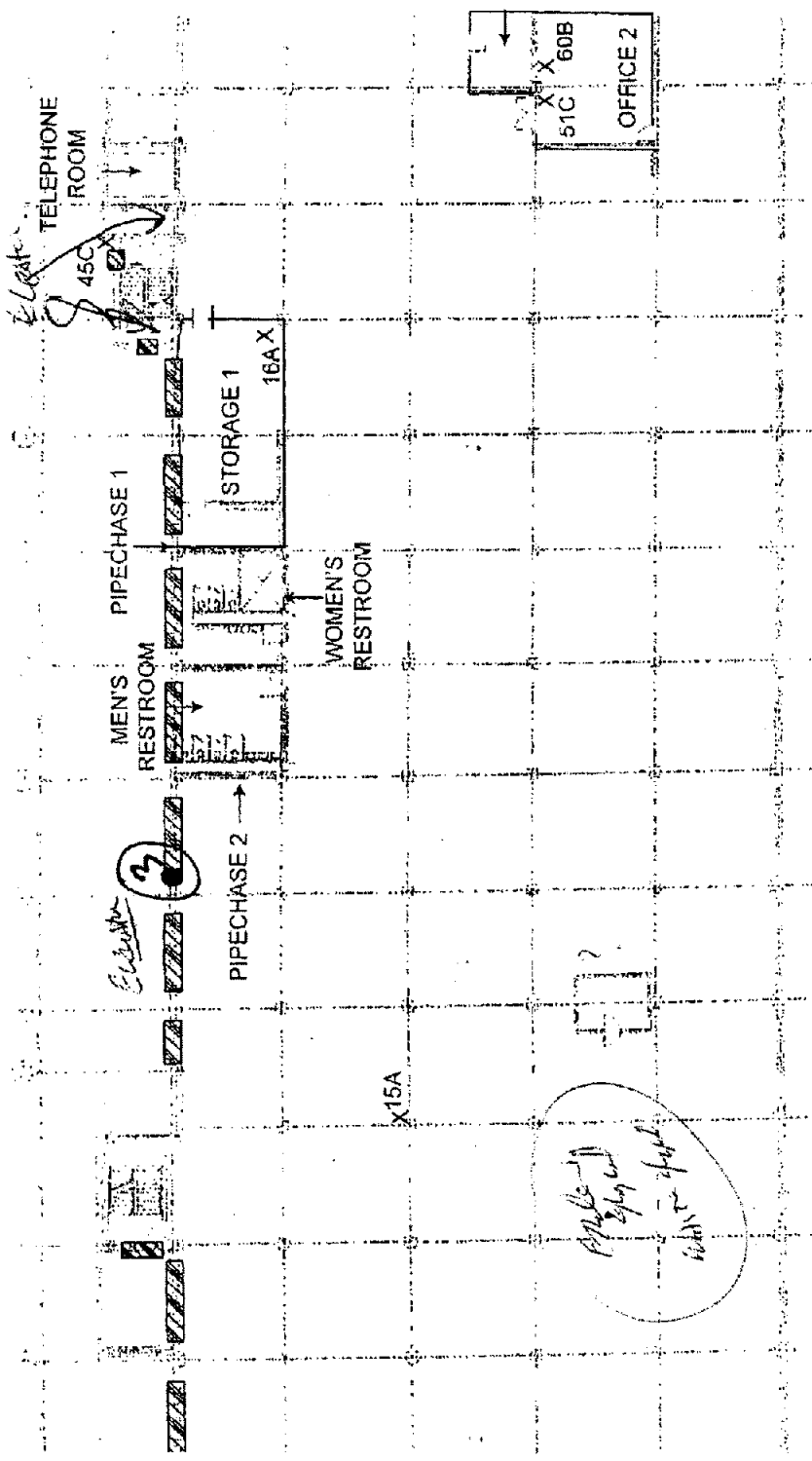
PROJECT:  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street Site, St. Paul, MN  
SUBJECT:  
Building 20, Floor 2B  
SCALE:  
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**FIGURE 5A**

CHECKED BY: RL

DRAWN BY: AZ

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AET Project No.  
03-03262.02

DATE May 8, 2009

**FIGURE 5B**

PROJECT: Asbestos Survey, 3M, Parcel 3, Forest and East 7th Street Site, St. Paul, MN

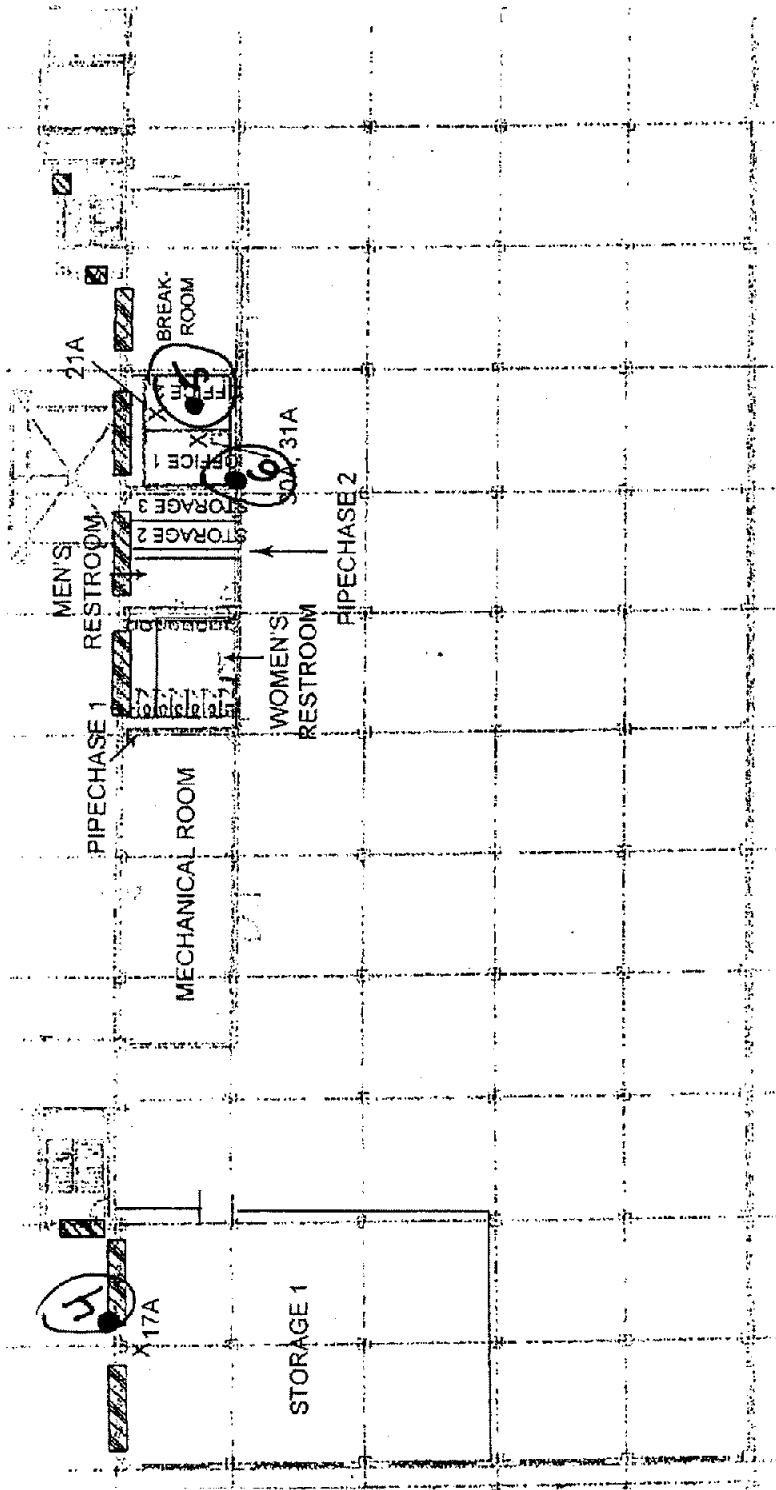
SUBJECT: Building 20, Floor 1

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DRAWN BY: AZ

SCALE: --

**AMERICAN  
ENGINEERING  
TESTING, INC.**



**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7th Street Site, St. Paul, MN

**SUBJECT:**  
Building 20, Floor 2

**SCALE:**  
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**AET Project No.**  
03-03262-02

**DATE** May 8, 2009

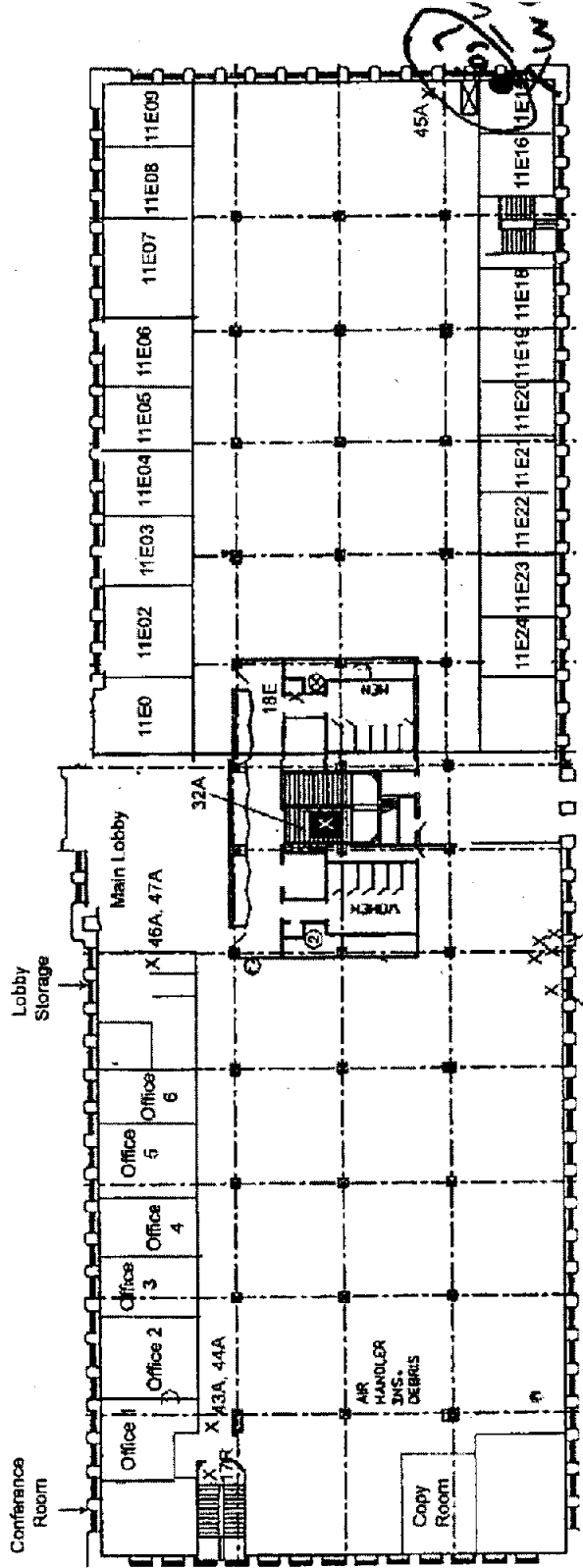
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**FIGURE 5C**





AET Project No.  
03-03262.02

DATE May 8, 2009

PROJECT:  
Asbestos Survey, 3M, Parcel 3, Forest and East 7th Street Site, St. Paul, MN

SUBJECT: Building 21, Floor 1

SCALE: --

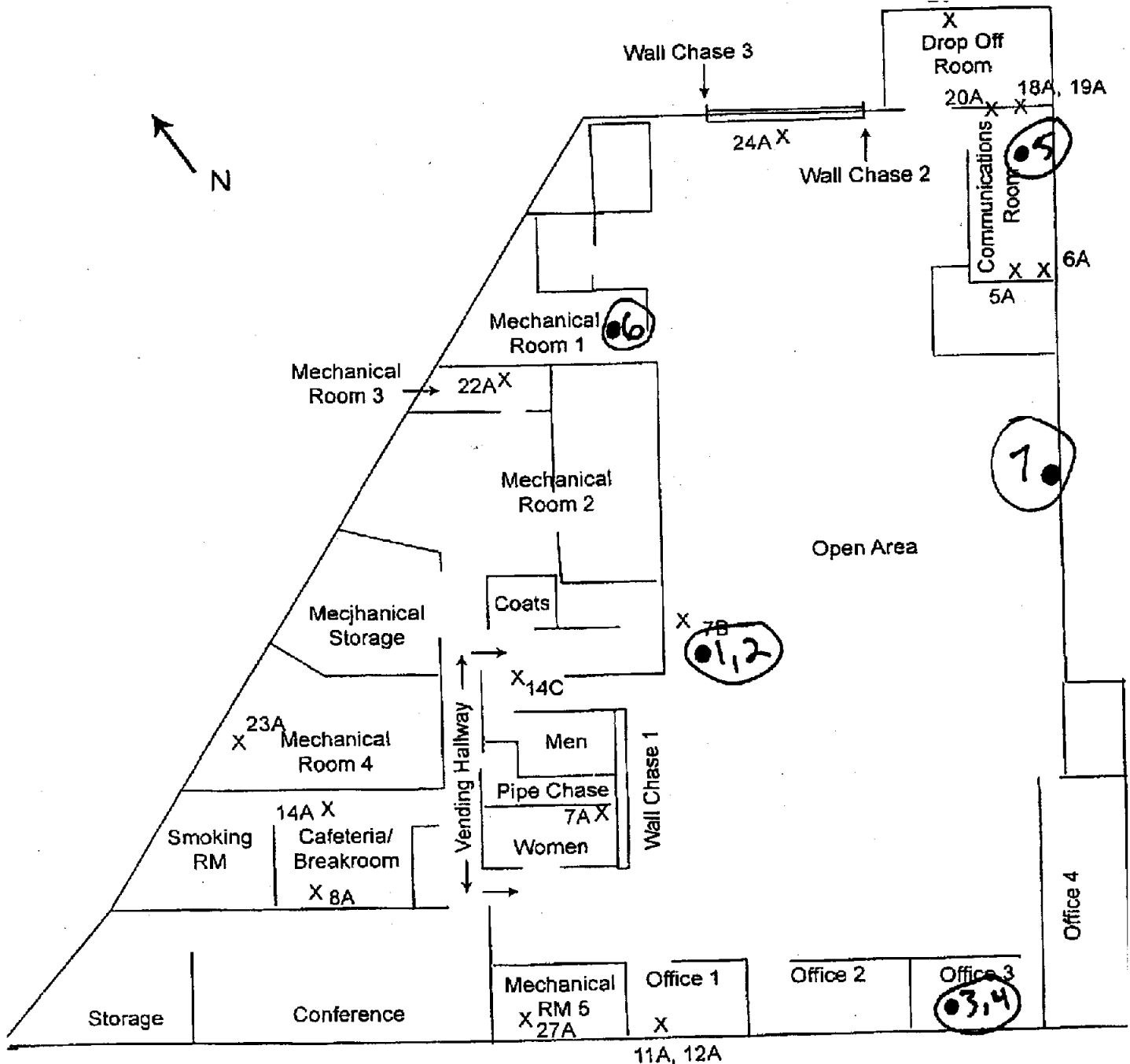
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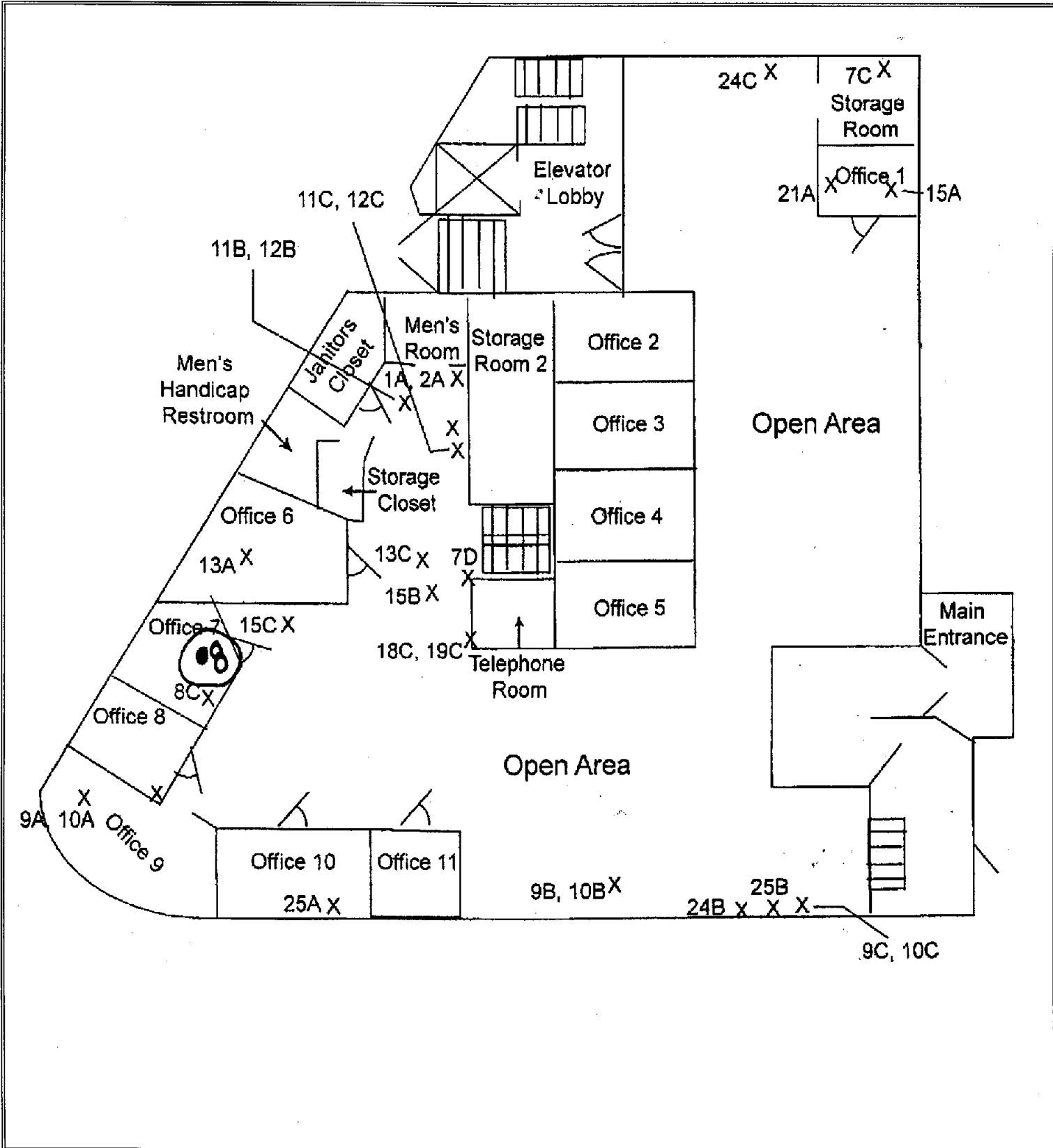
**AMERICAN  
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**FIGURE 6B**

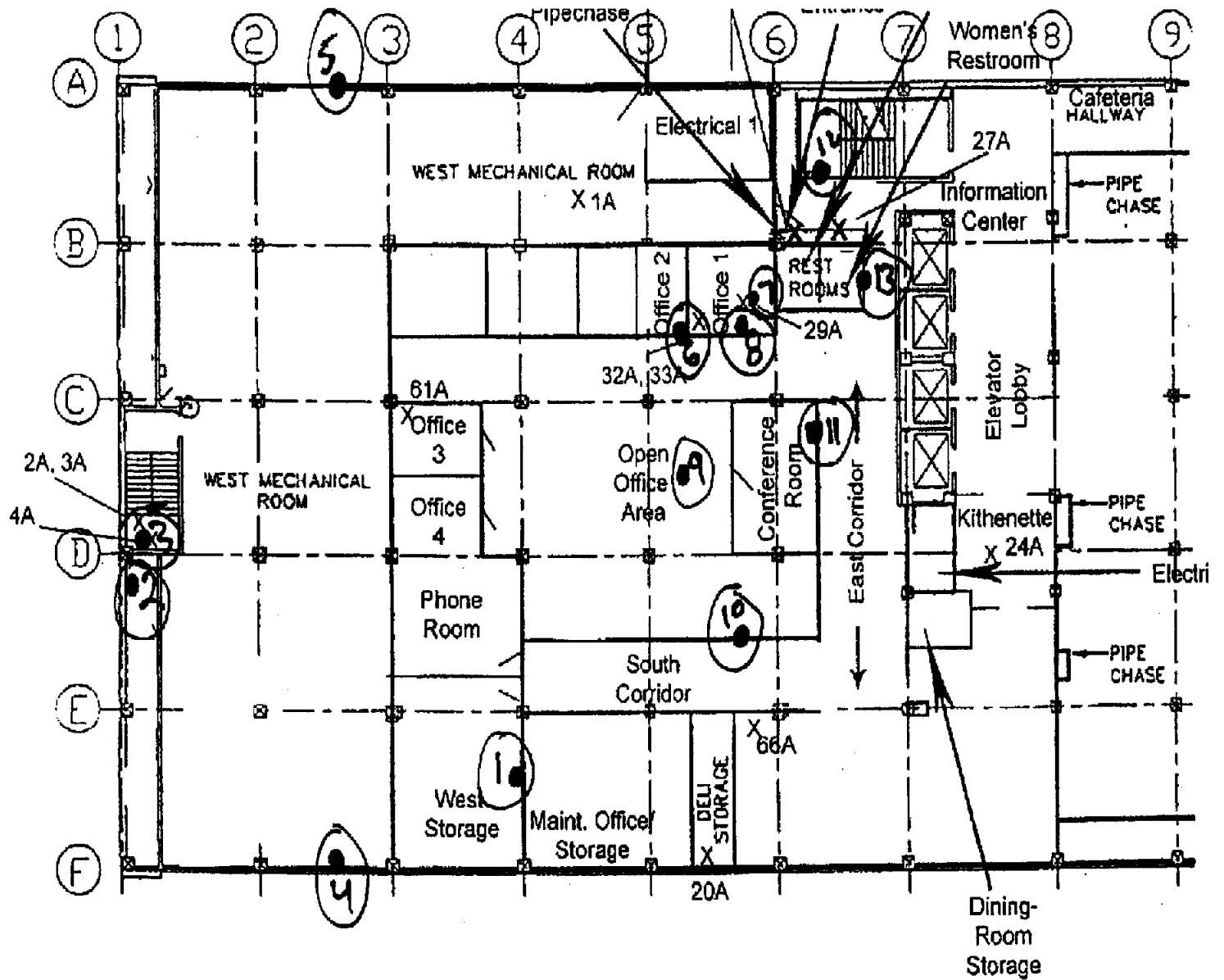




<b>AMERICAN ENGINEERING TESTING, INC.</b>	<b>PROJECT:</b> Asbestos Survey, 3M, Parcel 3, Forest and East 7 <sup>th</sup> Street Site, St. Paul, MN		AET Project No. 03-03262.02
	<b>SUBJECT:</b> Building 41, Floor B		DATE May 8, 2009
	<b>SCALE:</b> --	<b>DRAWN BY:</b> AZ	<b>CHECKED BY:</b> RL



<b>AMERICAN ENGINEERING TESTING, INC.</b>	<b>PROJECT:</b> Asbestos Survey, 3M, Parcel 3, Forest and East 7 <sup>th</sup> Street Site, St. Paul, MN		AET Project No. 03-03262.02	
	<b>SUBJECT:</b> Building 41, Floor 1		DATE May 8, 2009	
	<b>SCALE:</b> --	<b>DRAWN BY:</b> AZ	<b>CHECKED BY:</b> RL	<b>FIGURE 7B</b>



**AMERICAN  
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TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

AET Project No.  
03-03262.02

**SUBJECT:** Building 42, Floor B West

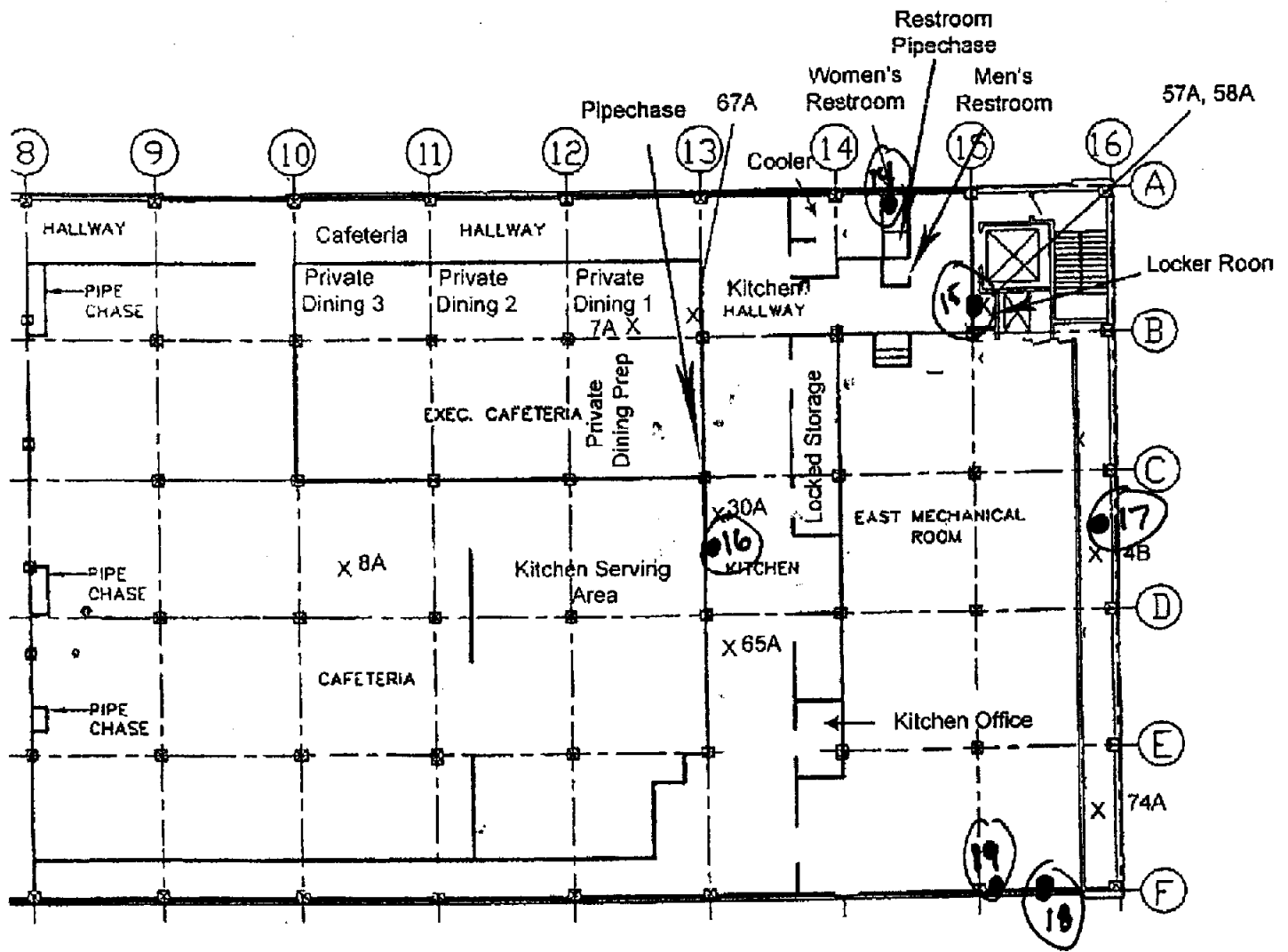
DATE May 8, 2009

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AZ

**CHECKED BY:**  
RL

**FIGURE 8A**



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**PROJECT:**

Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

**SUBJECT:** Building 42, Floor B East

**SCALE:** --

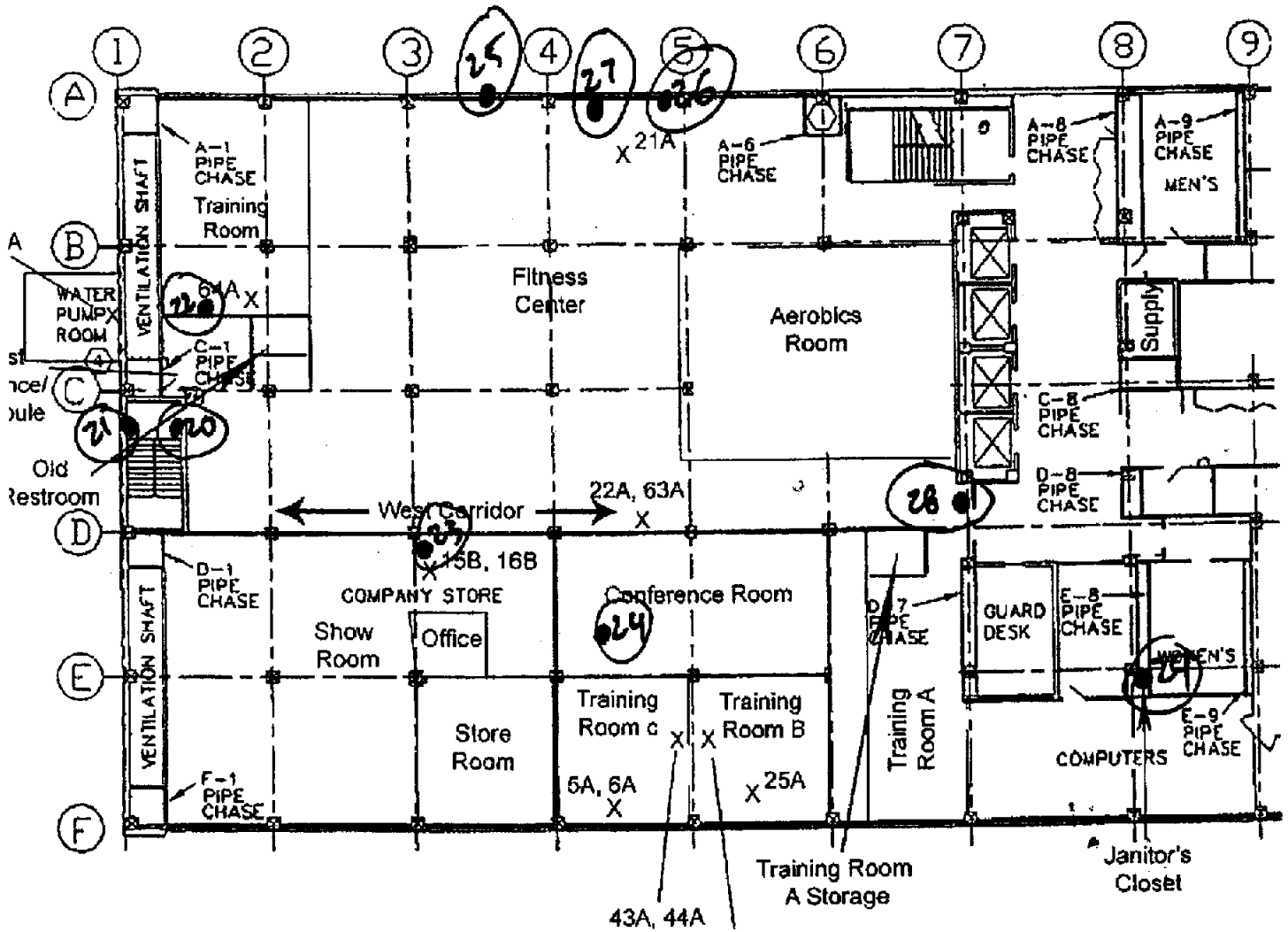
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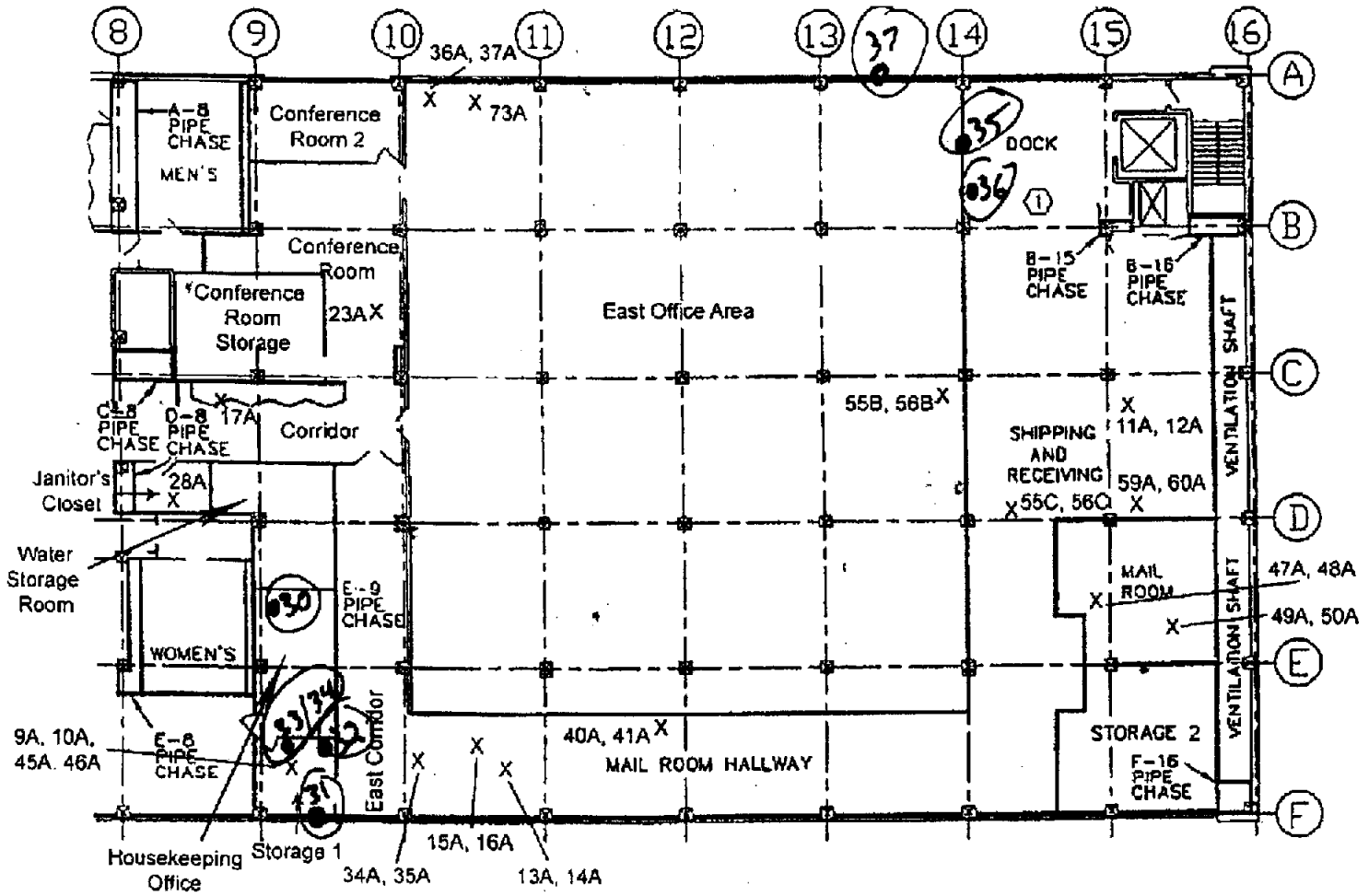
**AET Project No.**  
03-03262.02

**DATE** May 8, 2009

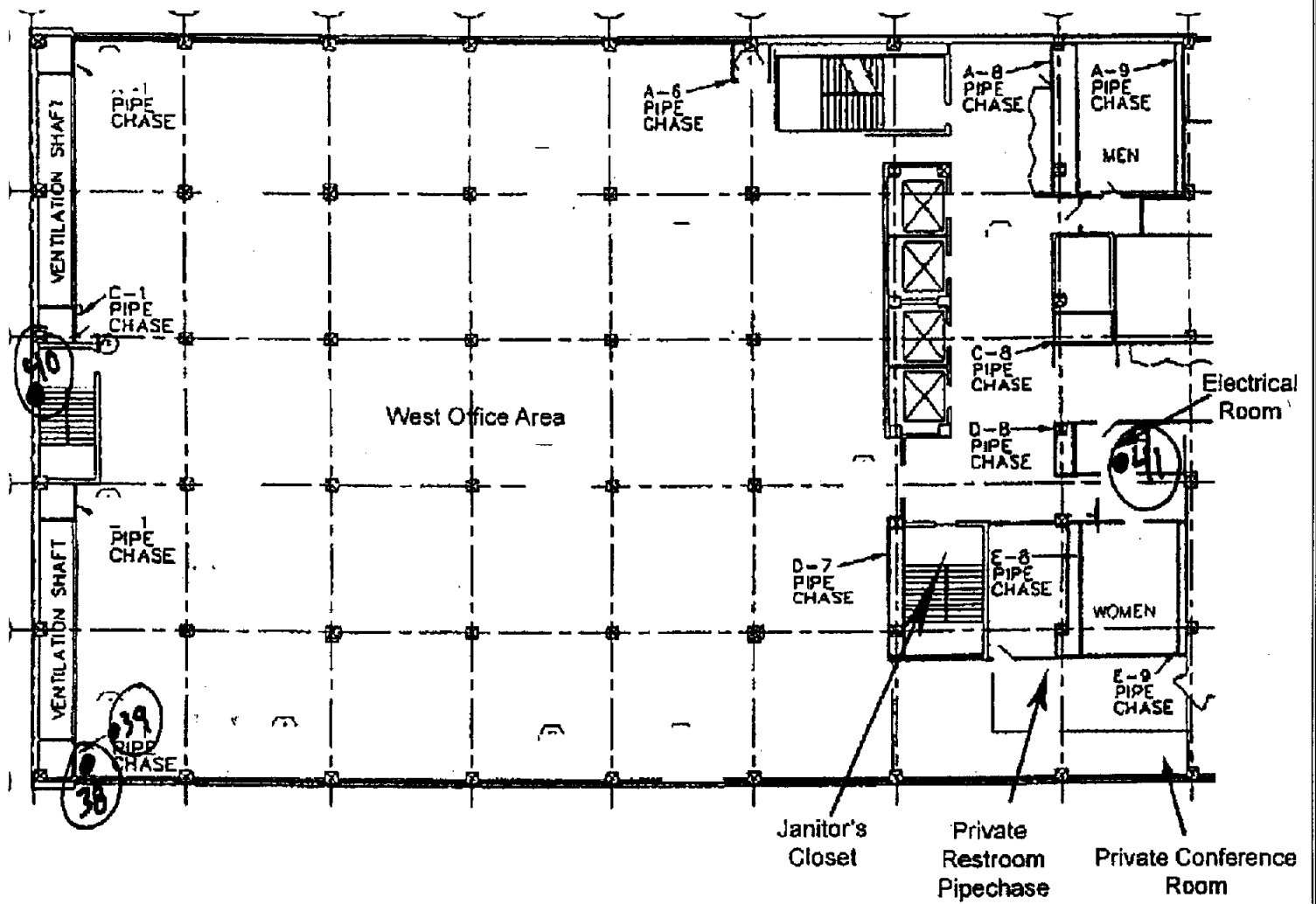
**FIGURE 8B**



<b>AMERICAN ENGINEERING TESTING, INC.</b>	<b>PROJECT:</b> Asbestos Survey, 3M, Parcel 3, Forest and East 7 <sup>th</sup> Street Site, St. Paul, MN		<b>AET Project No.</b> 03-03262.02
	<b>SUBJECT:</b> Building 42, Floor 1 West		<b>DATE</b> May 8, 2009
	<b>SCALE:</b> --	<b>DRAWN BY:</b> AZ	<b>CHECKED BY:</b> RL



<b>AMERICAN ENGINEERING TESTING, INC.</b>	<b>PROJECT:</b> Asbestos Survey, 3M, Parcel 3, Forest and East 7 <sup>th</sup> Street Site, St. Paul, MN	<b>AET Project No.</b> 03-03262.02	
	<b>SUBJECT:</b> Building 42, Floor 1 East	<b>DATE</b> May 8, 2009	
	<b>SCALE:</b> --	<b>DRAWN BY:</b> AZ	<b>CHECKED BY:</b> RL
			<b>FIGURE 8D</b>



**AMERICAN  
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**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

AET Project No.  
03-03262.02

**SUBJECT:** Building 42, Floor 2 West

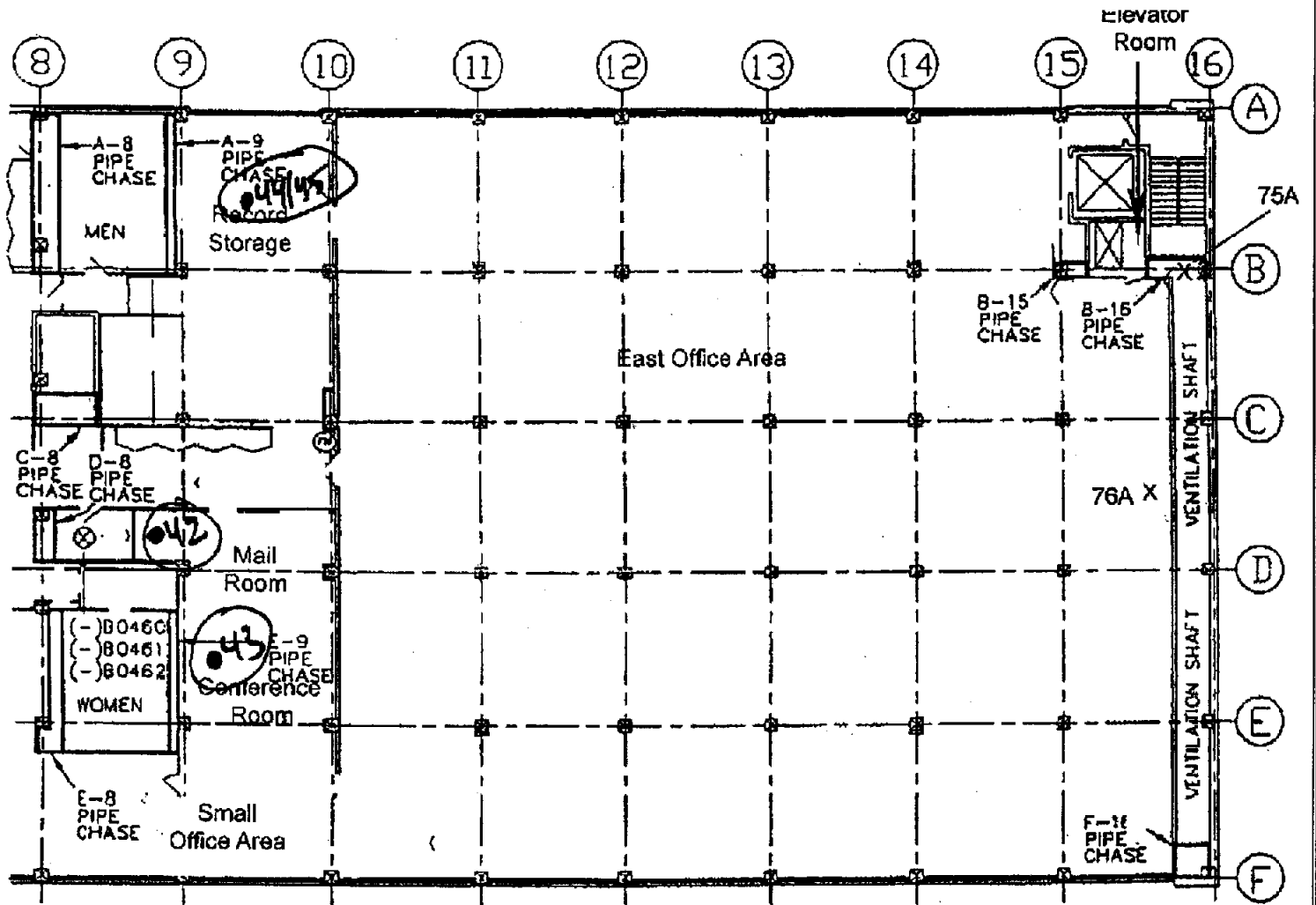
**DATE** May 8, 2009

**SCALE:** --

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AZ

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RL

**FIGURE 8E**



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

**SUBJECT:** Building 42, Floor 2 East

**SCALE:** --

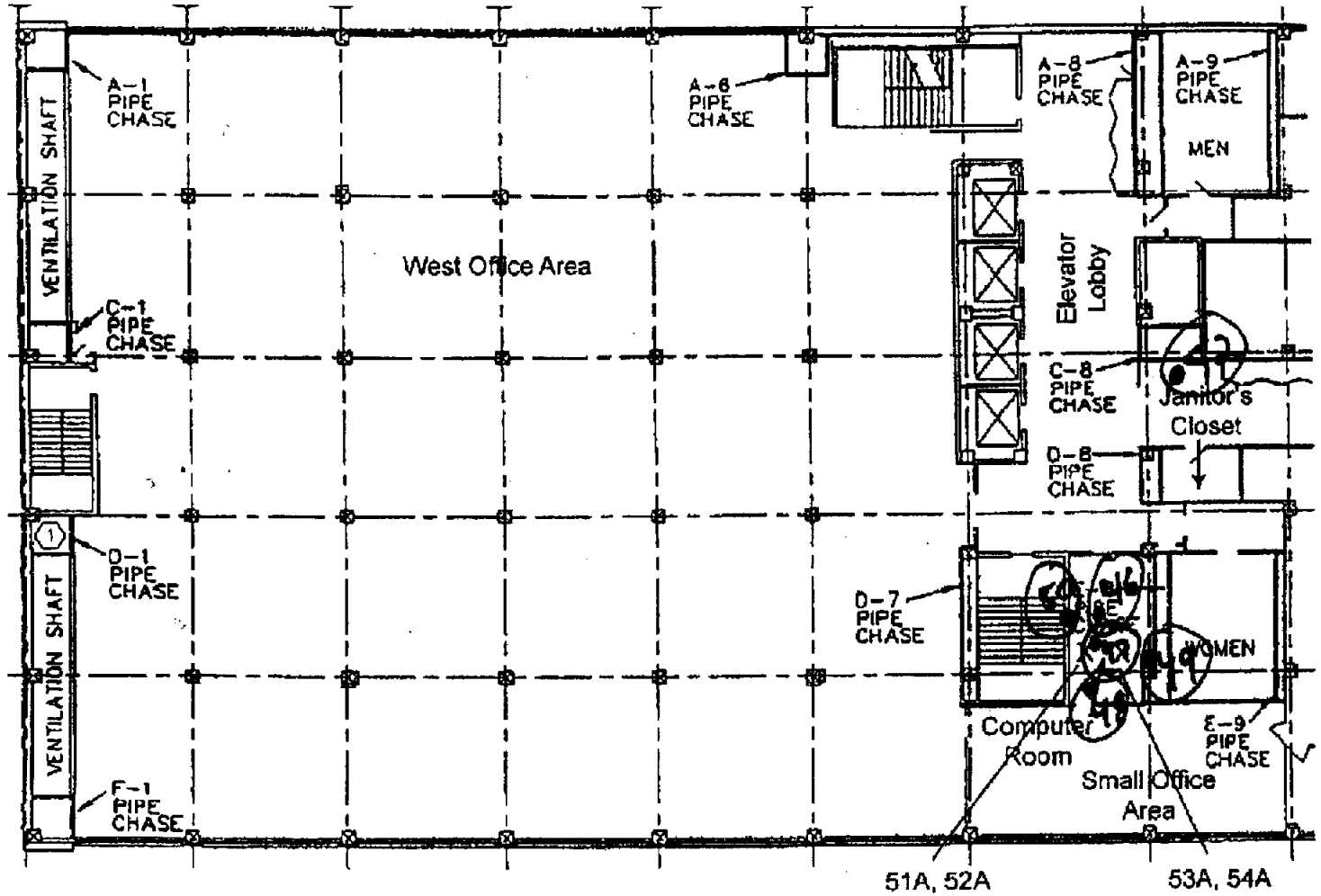
**DRAWN BY:**  
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RL

**AET Project No.**  
03-03262.02

**DATE** May 8, 2009

**FIGURE 8F**



**AMERICAN  
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TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

**SUBJECT:** Building 42, Floor 3 West

**SCALE:** --

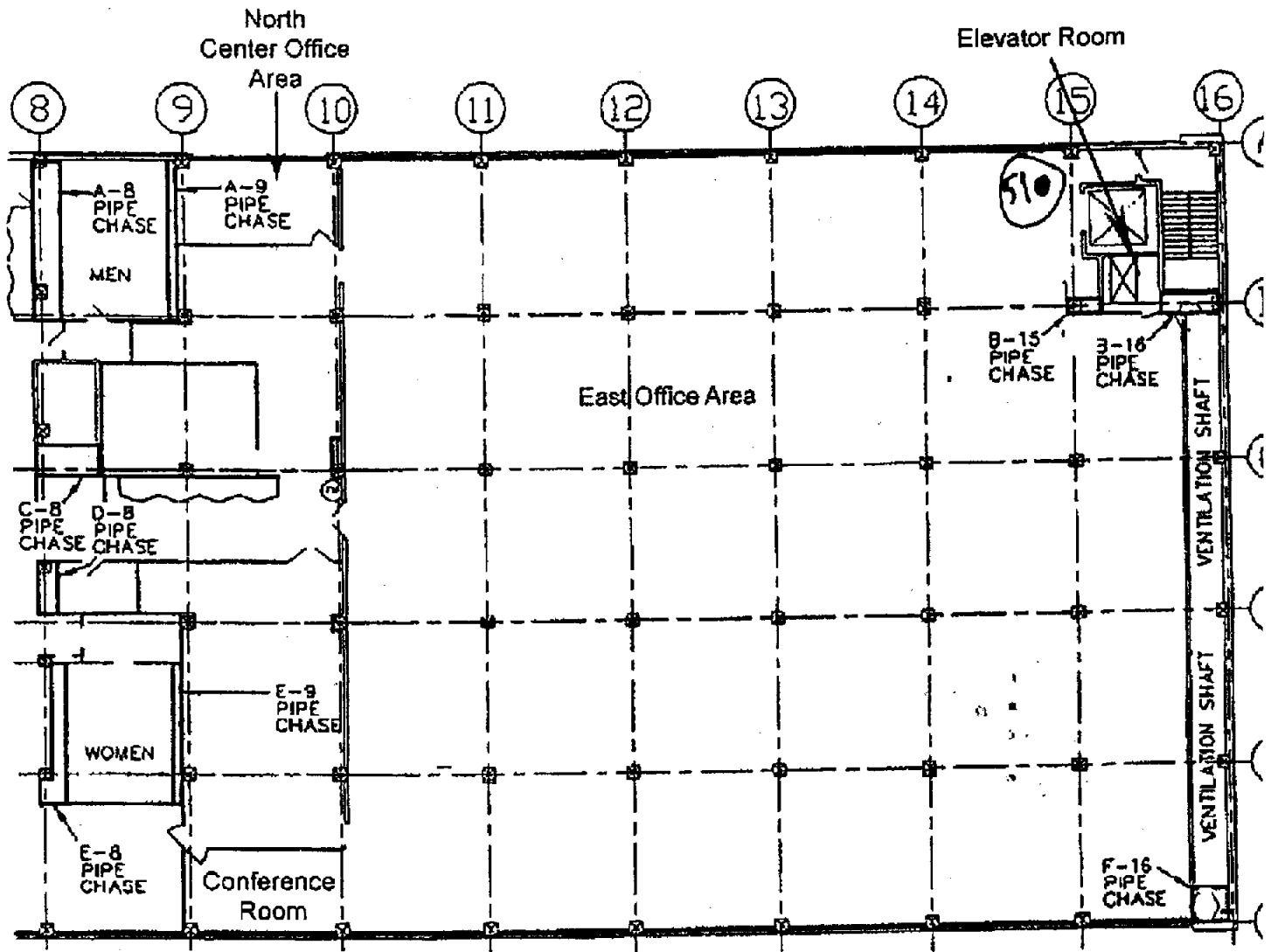
**DRAWN BY:**  
AZ

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RL

AET Project No.  
03-03262.02

**DATE** May 8, 2009

**FIGURE 8G**



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

**SUBJECT:** Building 42, Floor 3 East

**SCALE:** --

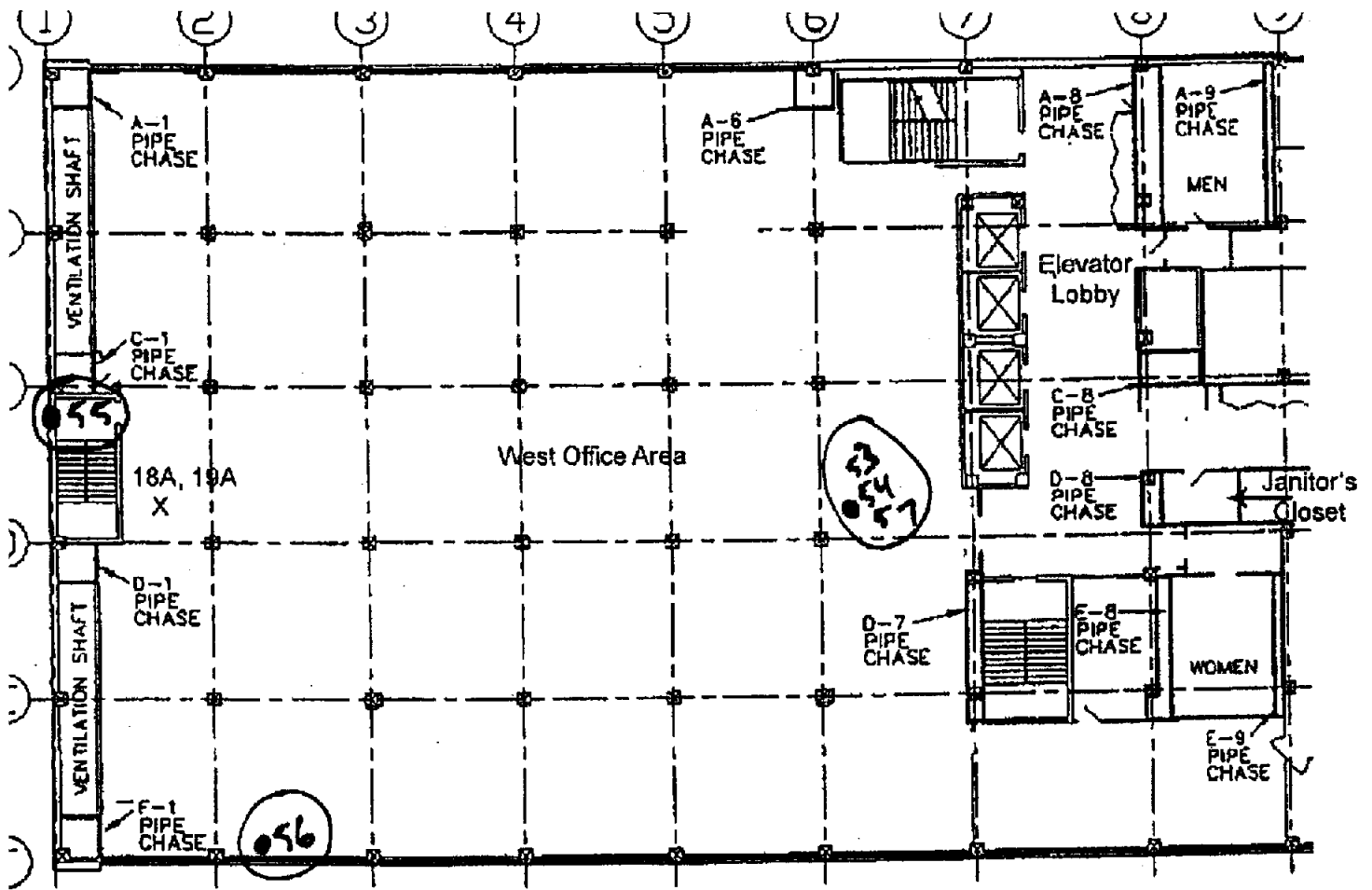
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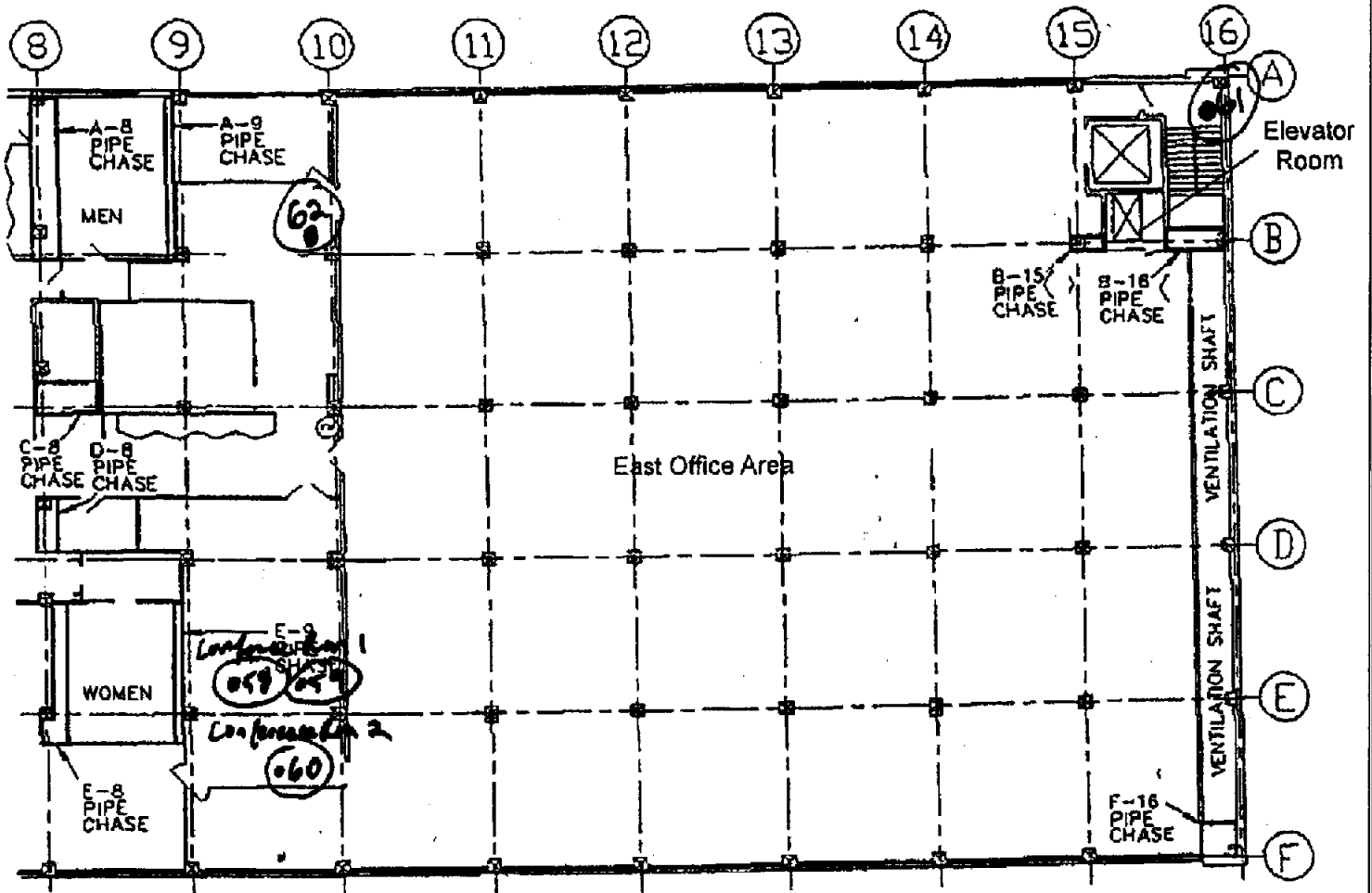
**AET Project No.**  
03-03262.02

**DATE** May 8, 2009

**FIGURE 8H**



<b>AMERICAN ENGINEERING TESTING, INC.</b>	<b>PROJECT:</b> Asbestos Survey, 3M, Parcel 3, Forest and East 7 <sup>th</sup> Street Site, St. Paul, MN		<b>AET Project No.</b> 03-03262.02
	<b>SUBJECT:</b> Building 42, Floor 4 West		<b>DATE</b> May 8, 2009
	<b>SCALE:</b> --	<b>DRAWN BY:</b> AZ	<b>CHECKED BY:</b> RL



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

**SUBJECT:** Building 42, Floor 4 East

**SCALE:** --

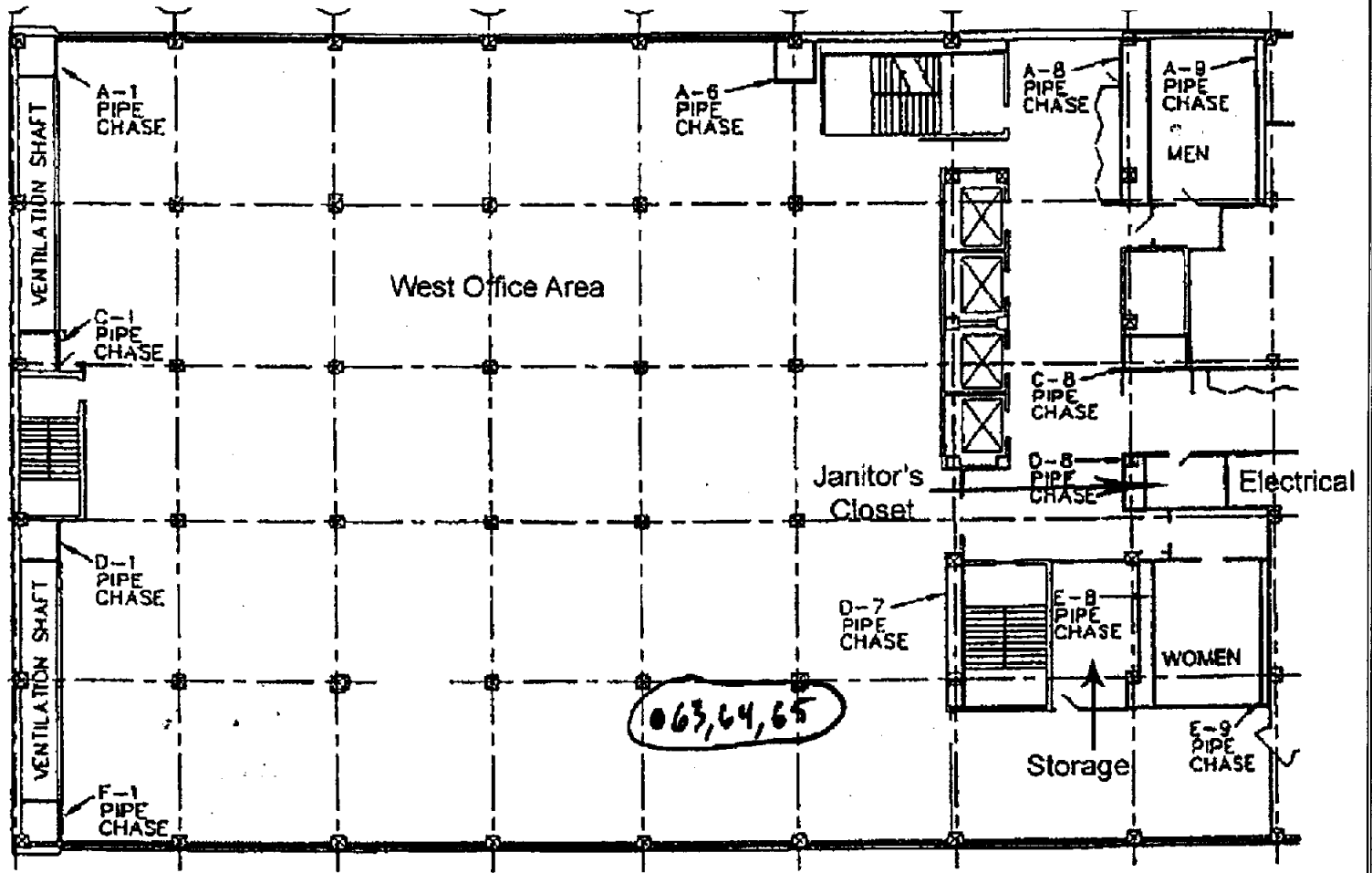
**DRAWN BY:**  
AZ

**CHECKED BY:**  
RL

**AET Project No.**  
03-03262.02

**DATE** May 8, 2009

**FIGURE 8J**



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**

Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

**SUBJECT:**

Building 42, Floor 5 West

**SCALE:**

--

**DRAWN BY:**

AZ

**CHECKED BY:**

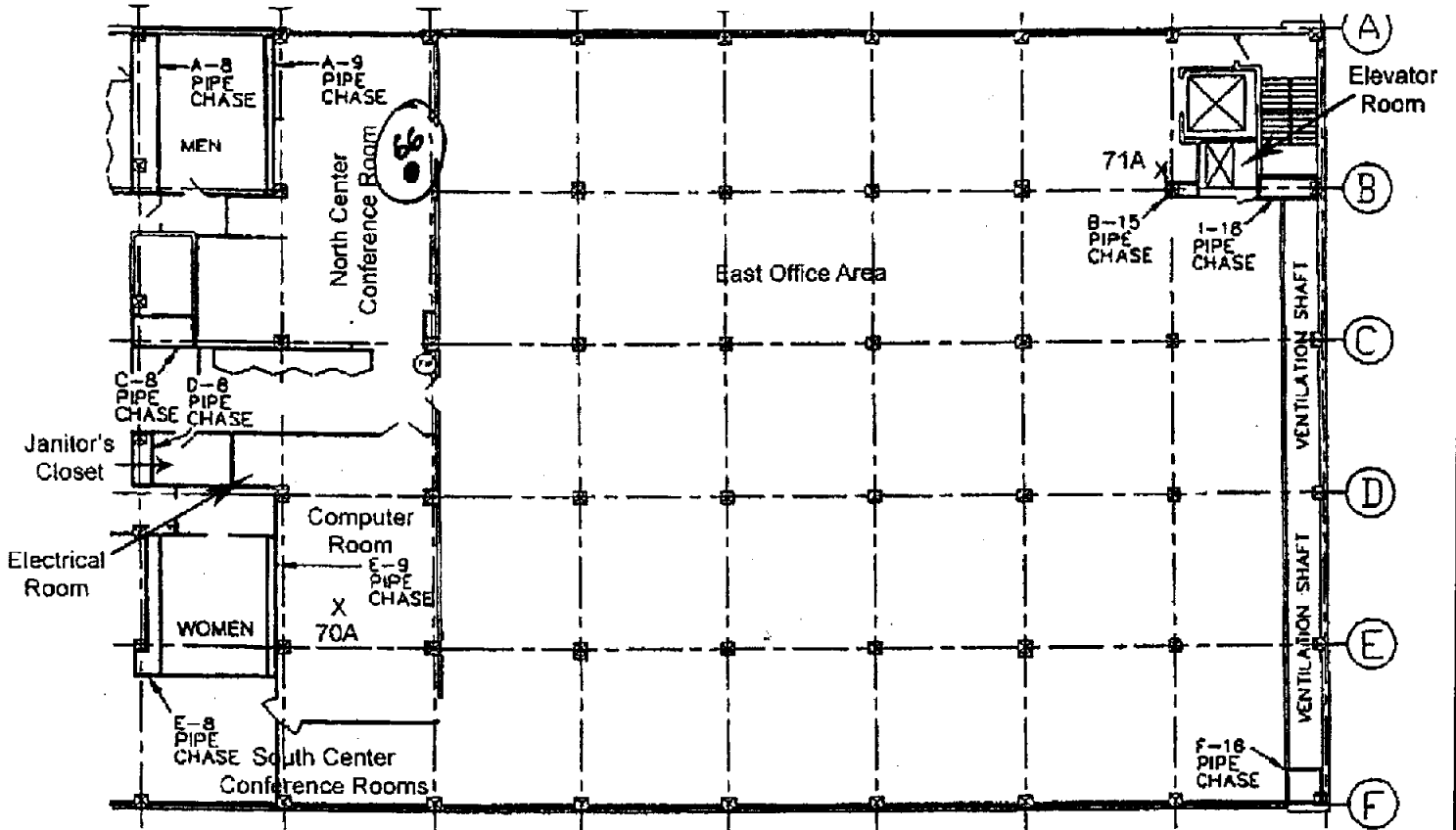
RL

**AET Project No.**

03-03262.02

**DATE** May 8, 2009

**FIGURE 8K**



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

AET Project No.  
03-03262.02

**SUBJECT:** Building 42, Floor 5 East

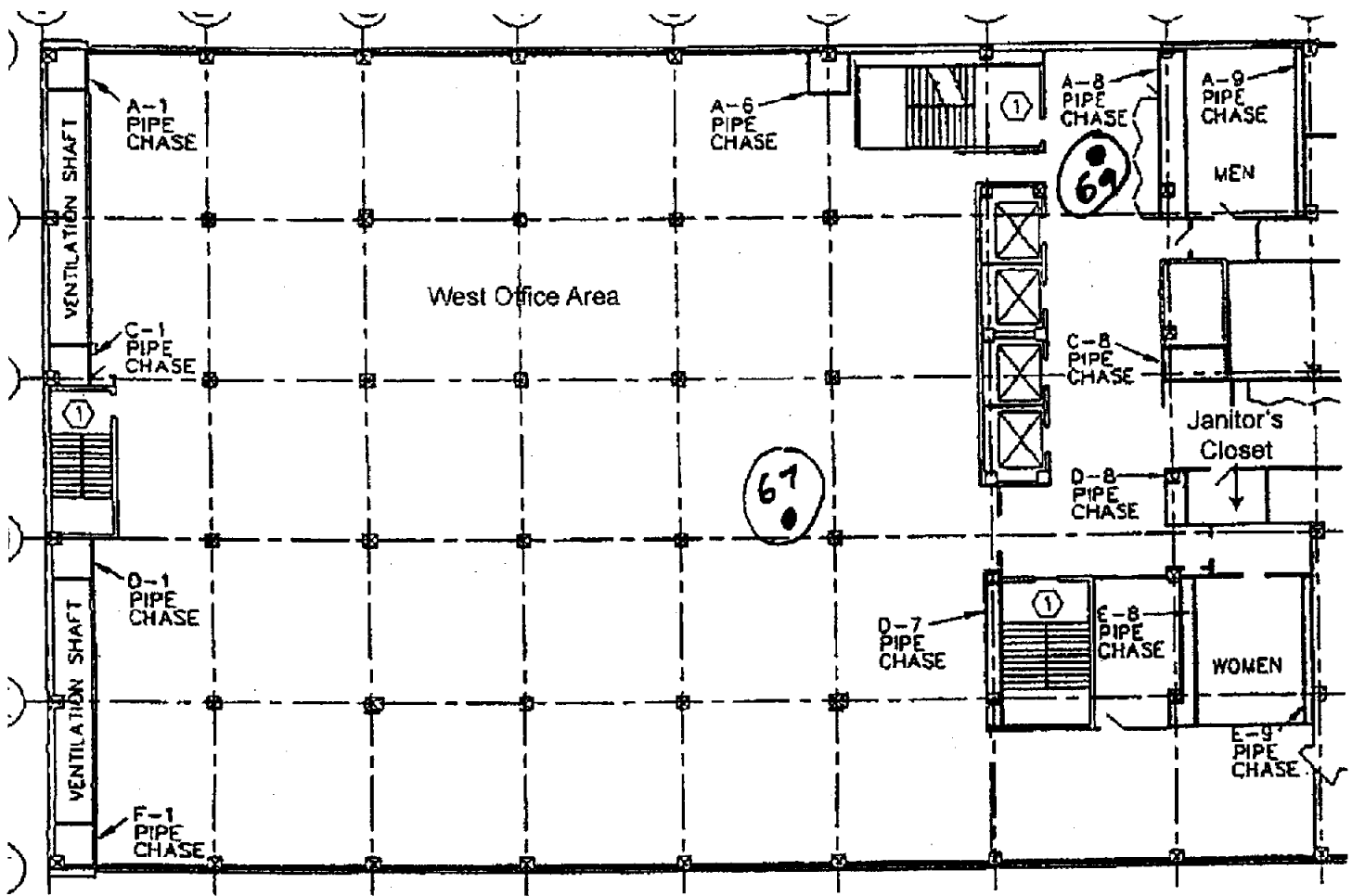
**DATE** May 8, 2009

**SCALE:** --

**DRAWN BY:**  
AZ

**CHECKED BY:**  
RL

**FIGURE 8L**



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

AET Project No.  
03-03262.02

**SUBJECT:** Building 42, Floor 6 West

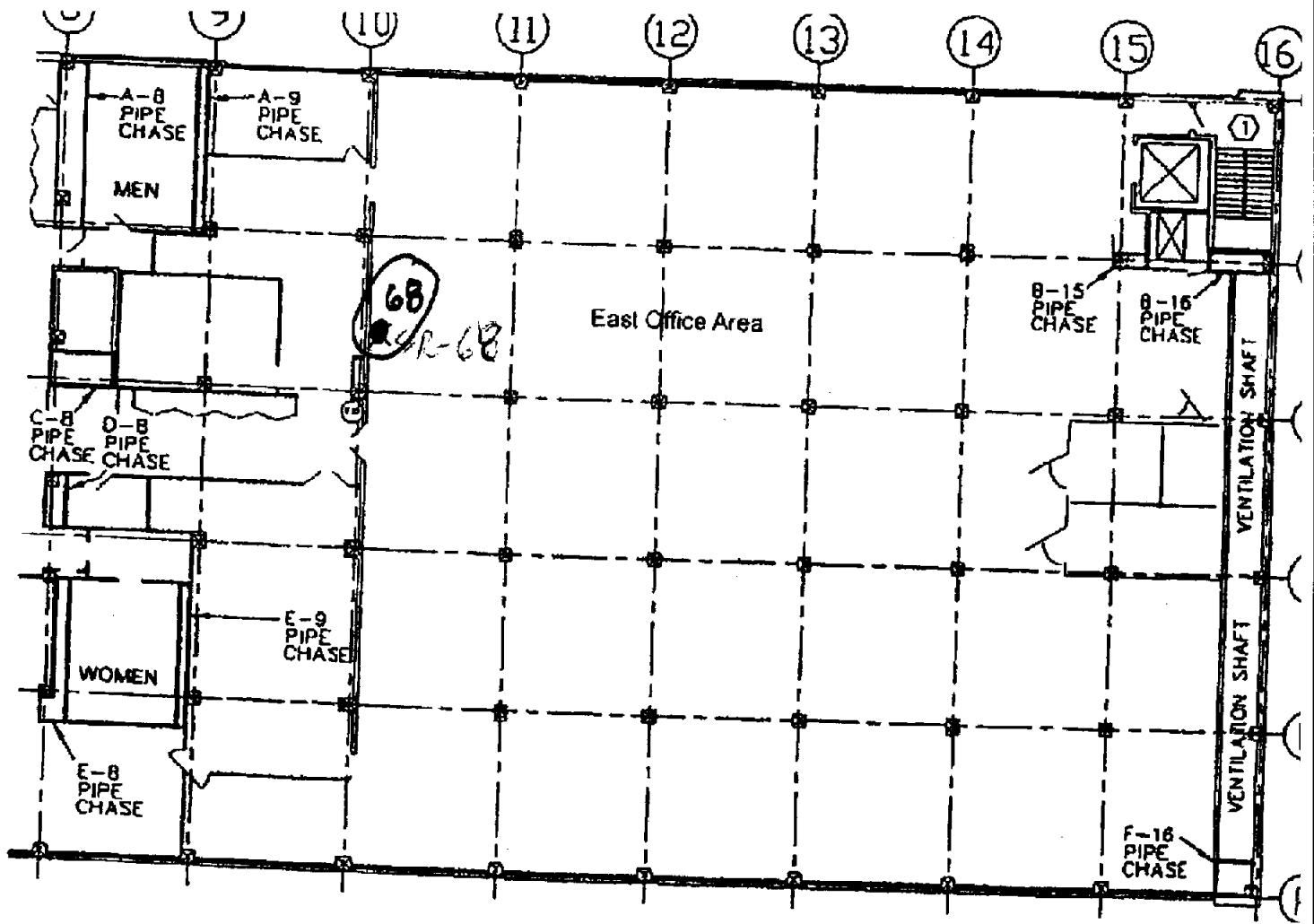
**DATE** May 8, 2009

**SCALE:** --

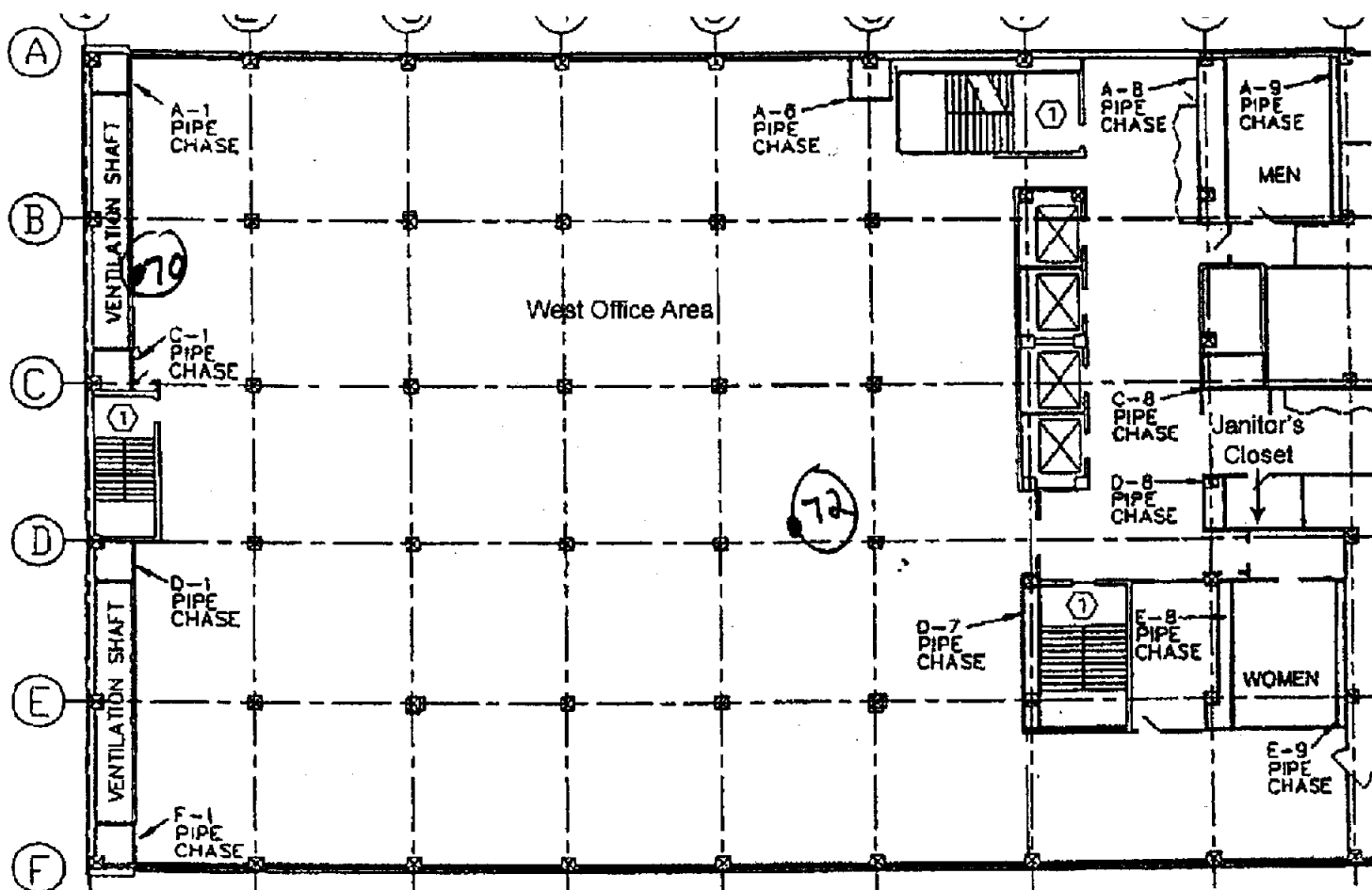
**DRAWN BY:**  
AZ

**CHECKED BY:**  
RL

**FIGURE 8M**



<b>AMERICAN ENGINEERING TESTING, INC.</b>	<b>PROJECT:</b> Asbestos Survey, 3M, Parcel 3, Forest and East 7 <sup>th</sup> Street Site, St. Paul, MN		AET Project No. 03-03262.02	
	<b>SUBJECT:</b> Building 42, Floor 6 East		DATE   May 8, 2009	
	<b>SCALE:</b> --	<b>DRAWN BY:</b> AZ	<b>CHECKED BY:</b> RL	<b>FIGURE 8N</b>



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

**SUBJECT:** Building 42, Floor 7 West

**SCALE:** --

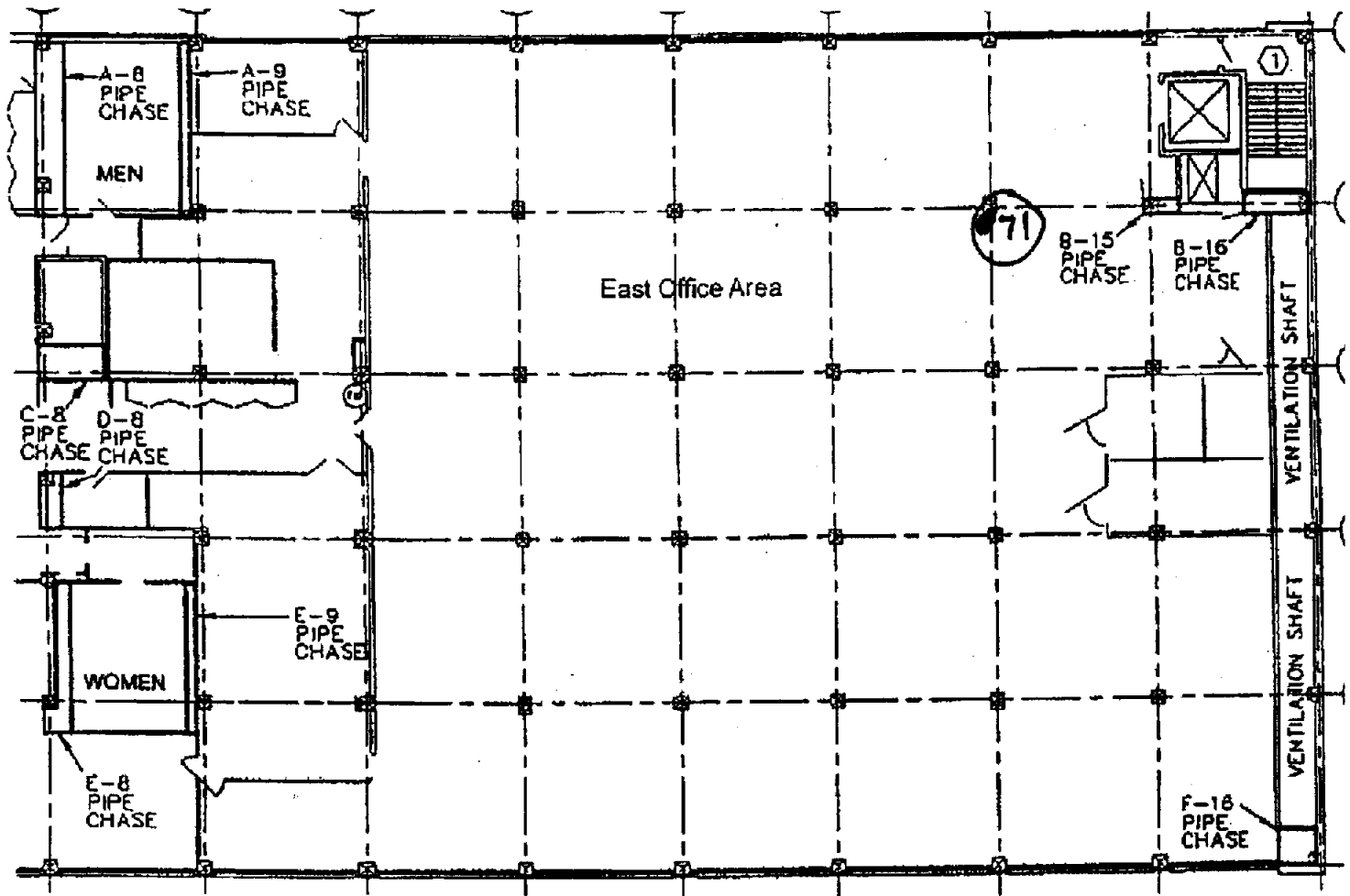
**DRAWN BY:**  
AZ

**CHECKED BY:**  
RL

**AET Project No.**  
03-03262.02

**DATE** May 8, 2009

**FIGURE 80**



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

**SUBJECT:** Building 42, Floor 7 East

**SCALE:** --

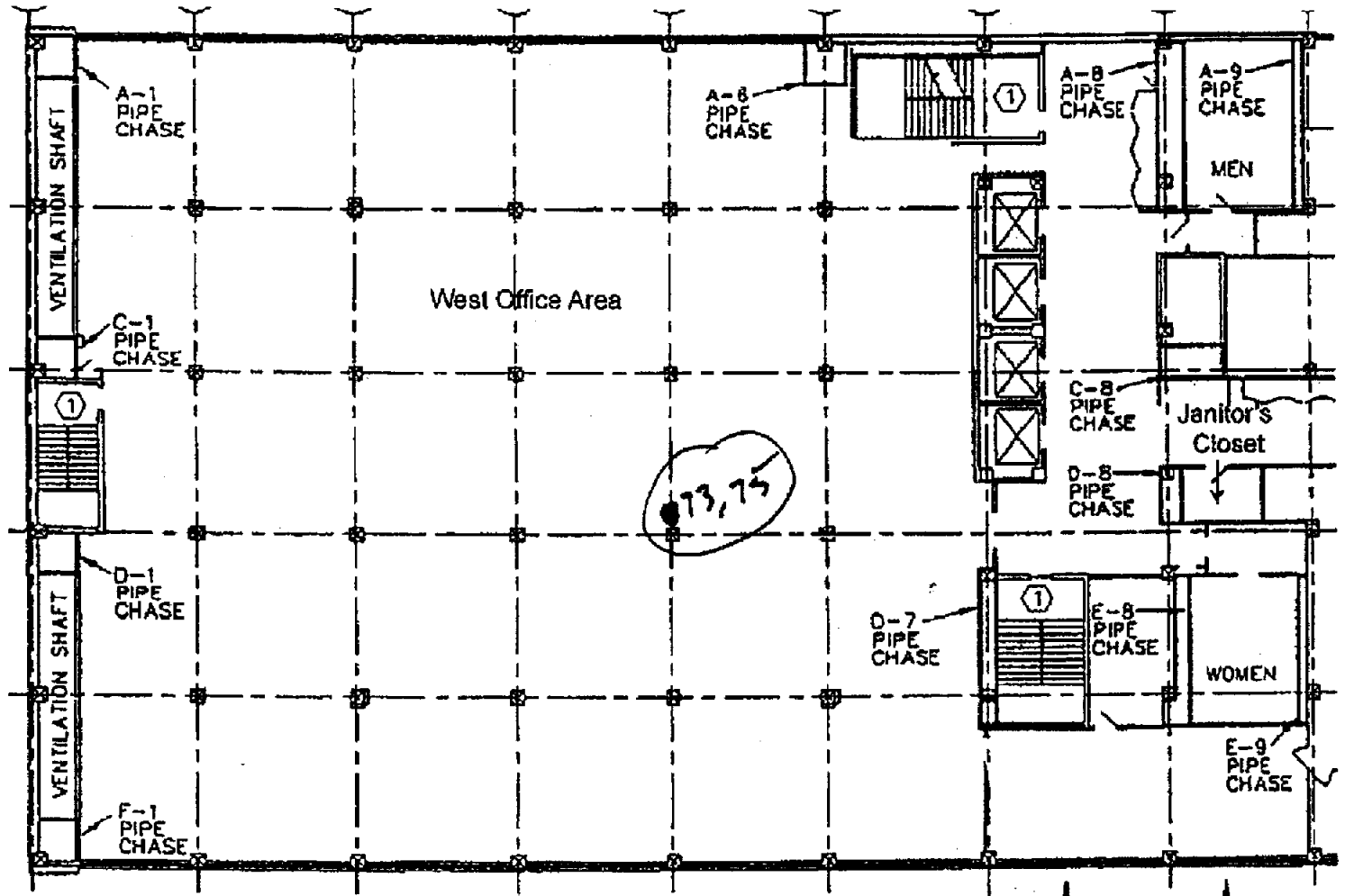
**DRAWN BY:**  
AZ

**CHECKED BY:**  
RL

**AET Project No.**  
03-03262.02

**DATE** May 8, 2009

**FIGURE 8P**



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

AET Project No.  
03-03262.02

**SUBJECT:** Building 42, Floor 8 West

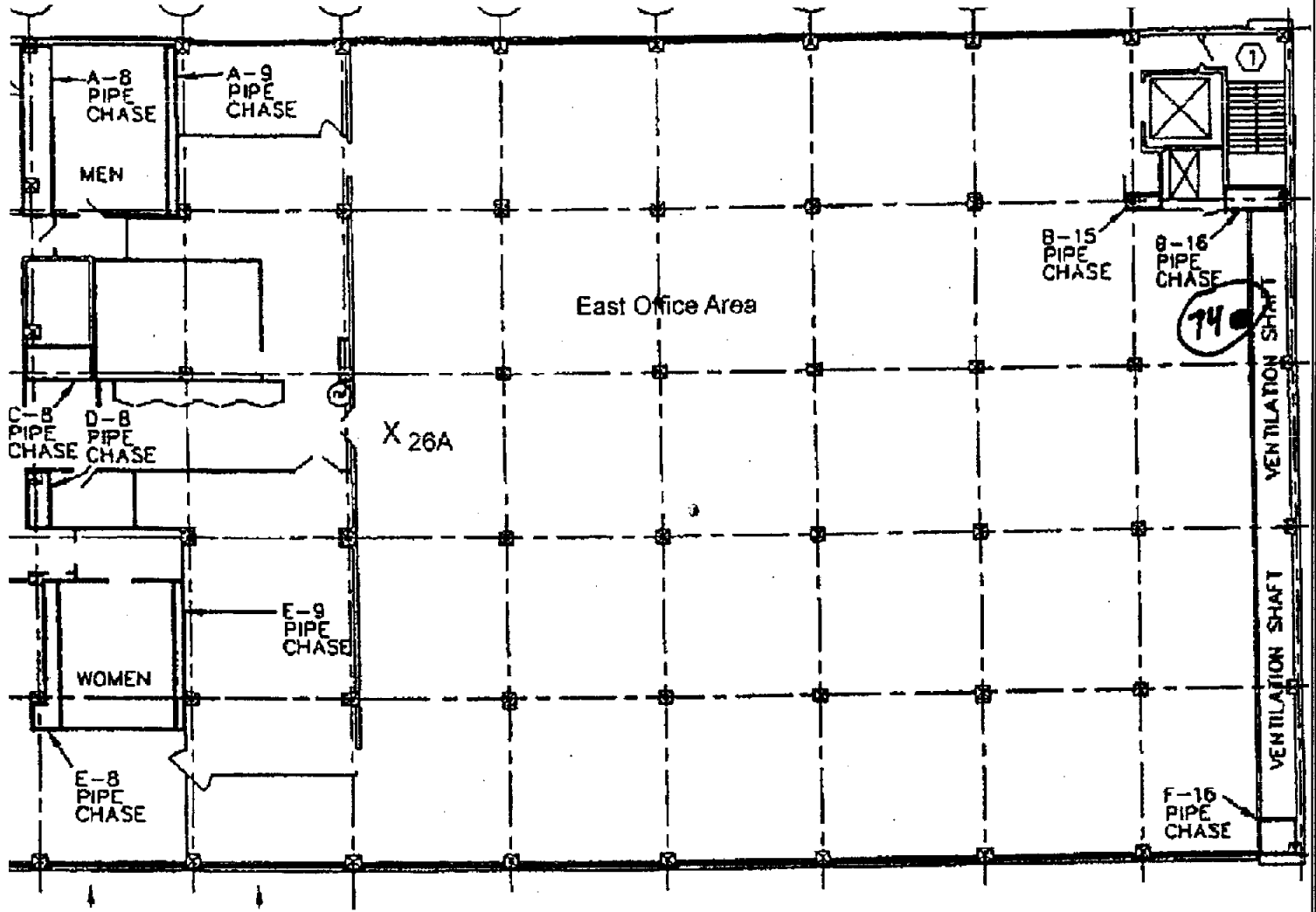
**DATE** May 8, 2009

**SCALE:** --

**DRAWN BY:**  
AZ

**CHECKED BY:**  
RL

**FIGURE 8Q**



**AMERICAN  
ENGINEERING  
TESTING, INC.**

**PROJECT:**  
Asbestos Survey, 3M, Parcel 3, Forest and East 7<sup>th</sup> Street  
Site, St. Paul, MN

AET Project No.  
03-03262.02

**SUBJECT:** Building 42, Floor 8 East

DATE May 8, 2009

**SCALE:** --

**DRAWN BY:**  
AZ

**CHECKED BY:**  
RL

**FIGURE 8R**

**Table 1**  
**ACM Analysis Results**  
**3M Building 1**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
WG-1	Window Glaze	First Floor	ND	-	-	-

**Bold** indicates asbestos containing material.  
ND: Asbestos Not Detected

**Table 2**  
**ACM Analysis Results**  
**3M Building 2**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
SR-1	Sheetrock	Basement, room 59	ND	-	-	-
TR-2	Transite	Basement, room 51	ND	-	-	-
SR-3	Sheetrock	Basement, room 3	ND	-	-	-
FT-4	Yellow floor tile	Basement, room 3	ND	-	-	-
FT-5	Red floor tile	Basement, room 3	ND	-	-	-
SU-6	Sink undercoat	Basement, room 4	ND	-	-	-
CT-7	12x12 ceiling tile	Basement, room 11	ND	-	-	-
CTA-8	Ceiling tile adhesive, brown	Basement, room 11	ND	-	-	-
<b>CTA-9</b>	<b>Ceiling tile adhesive, black</b>	<b>1<sup>st</sup> floor, room 29</b>	<b>5% Chrysotile</b>	<b>Good</b>	<b>Yes</b>	<b>340</b>
CT-10	2x2 flat ceiling tile	2 <sup>nd</sup> floor, room 236	ND	-	-	-

**Bold** indicates asbestos containing material.  
 ND: Asbestos Not Detected

Table 3  
 ACM Analysis Results  
 3M Building 14  
 AET Project No. 03-03262

Sample No.	Description	Location	Asbestos (% Type)	Condition	Friable	Approx. Amt
WG-1	Window Glaze	SE Room, floor B	2% Chrysotile	Good	No	48*
WG-2	Window Glaze	South Room, floor B	2% Chrysotile	Good	No	48*
WG-3	Window Glaze	Locker Room, floor 1	2% Chrysotile	Good	No	48*
WG-4	Window Glaze	Main room, floor 2	3% Chrysotile	Good	No	48*

**Bold** indicates asbestos containing material.

ND: Asbestos Not Detected

\* Total number of windows in the building

WG-2 – Confirmation of previous sample 26

WG-3 – Confirmation of previous sample 11

WG-4 – Confirmation of previous sample 18

**Table 4**  
**ACM Analysis Results**  
**3M Building 20**  
**AET Project No. 03-03262**

Sample No.	Description	Location	Asbestos (% Type)	Condition	Friable	Approx. Amt
CB-1	Cement Board	Storage Room 2, floor 2B	ND	-	-	-
SR-2	Sheetrock	Office 2, floor 2B	ND	-	-	-
WG-3	Window Glaze	Open Area, floor 1	ND	-	-	-
WG-4	Window Glaze	Storage 1, floor 2	ND	-	-	-
<b>FT-5</b>	<b>12x12 tan</b>	<b>Office 2, floor 2</b>	<b>3% Chrysotile</b>	<b>Good</b>	<b>N</b>	<b>120</b>
<b>FT-5 M</b>	<b>Black mastic</b>	<b>Office 2, floor 2</b>	<b>5% Chrysotile</b>	<b>Good</b>	<b>N</b>	<b>120</b>
SR-6	Sheetrock	Break room, floor 2	ND	-	-	-

**Bold** indicates asbestos containing material.  
 ND: Asbestos Not Detected

**Table 5**  
**ACM Analysis Results**  
**3M Building 21**  
**AET Project No. 03-03262**

Sample No.	Description	Location	Asbestos (% Type)	Condition	Friable	Approx. Amt
WS-1	Wall sealant, black	Floor 2B tunnel wall	ND	-	-	-
PL-2	Wall plaster, topcoat, white	Basement, documentation center	ND	-	-	-
PL-2	Wall plaster, basecoat, grey	Basement, documentation center	ND	-	-	-
PL-3	Wall plaster, topcoat, white	Basement, document storage room #1	ND	-	-	-
PL-3	Wall plaster, basecoat, grey	Basement, document storage room #1	ND	-	-	-
PL-4	Wall plaster, grey	Basement, custodial storage	ND	-	-	-
CT-5	2x4 Ceiling tile, longitudinal fissure, pinholes	Basement, resource center, and room east of mail room	ND	-	-	-
WC-6	Window caulk, grey	1 <sup>st</sup> floor room 11E15	ND	-	-	-
<b>WG-7</b>	<b>Window glaze, grey</b>	<b>1<sup>st</sup> floor room 11E15</b>	<b>3% Chrysotile</b>	<b>Good</b>	<b>Yes</b>	<b>179 (windows)</b>
PL-8	Wall plaster, topcoat, white	2 <sup>nd</sup> floor Marilyn room	ND	-	-	-
PL-8	Wall plaster, basecoat, grey	2 <sup>nd</sup> floor Marilyn room	ND	-	-	-

**Bold** indicates asbestos containing material.

ND: Asbestos Not Detected

**Table 6**  
**ACM Analysis Results**  
**3M Building 41**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
CT-1	Ceiling tile (above hung ceiling)	Open area, basement	ND	-	-	-
CTA-2	Ceiling tile adhesive (above hung ceiling)	Open area, basement	ND	-	-	-
CT-3	Ceiling tile (above hung ceiling)	Office 3, basement	ND	-	-	-
CTA-4	Ceiling tile adhesive (above hung ceiling)	Office 3, basement	ND	-	-	-
CP-5	Ceiling plaster	Communication room, basement	ND	-	-	-
DW-6	Duct wrap	Mechanical room 1, basement	ND	-	-	-
SR-7	Sheetrock	Open area, basement	ND	-	-	-
SR-8	Sheetrock	Office 7, floor 1	ND	-	-	-

**Bold** indicates asbestos containing material.  
 ND: Asbestos Not Detected

**Table 7A**  
**ACM Analysis Results**  
**3M Building 42**  
**Basement**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
SR-1	Sheetrock	West storage room	ND	-	-	-
PL-2	Wall plaster, grey	West mechanical room	ND	-	-	-
PL-3	Wall plaster, grey	West mechanical room	ND	-	-	-
PL-4	Wall plaster, grey	West mechanical room	ND	-	-	-
PL-5	Wall plaster, grey	West mechanical room	ND	-	-	-
SR-6	Sheetrock	Between office 1 and 2	ND	-	-	-
CT-7	2x4 Ceiling tile, grey backing	Office 1	ND	-	-	-
<b>CT-8</b>	<b>2x4 Ceiling tile, pink backing</b>	<b>Office 1</b>	<b>2% Chrysotile</b>	<b>Good</b>	<b>Yes</b>	<b>1,100</b>
<b>CT-9</b>	<b>2x4 Ceiling tile, pink backing</b>	<b>Open office area</b>	<b>2% Chrysotile</b>	<b>Good</b>	<b>Yes</b>	<b>Same as CT-8</b>
SR-10	Sheetrock	South corridor	ND	-	-	-
SR-11	Sheetrock	East corridor	ND	-	-	-
WP-12	Wall plaster, white	Restroom hallway	ND	-	-	-
WP-13	Wall plaster, white	Restrooms	ND	-	-	-
WP-14	Wall plaster, white	East woman's restroom	ND	-	-	-
WP-15	Wall plaster, white	Locker room	ND	-	-	-
CWT-16	Ceramic wall tile, yellow	Kitchen	ND	-	-	-
PL-17	Wall plaster, grey	East Mechanical room	ND	-	-	-
PL-18	Wall plaster, grey	East mechanical room	ND	-	-	-
<b>CA-19</b>	<b>Cork adhesive</b>	<b>Between cork filler and exterior wall, East mechanical room</b>	<b>5% Chrysotile</b>	<b>Good</b>	<b>No</b>	<b>7,968</b>

**Bold** indicates asbestos containing material.  
 ND: Asbestos Not Detected

**Table 7B**  
**ACM Analysis Results**  
**3M Building 42**  
**1<sup>st</sup> Floor**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
WP-20	Wall plaster	Fire hose connection room	ND	-	-	-
WP-21	Wall plaster	West stairwell ceiling	ND	-	-	-
SR-22	Sheetrock	Training room	ND	-	-	-
WP-23	Wall plaster	Company store	ND	-	-	-
SR-24	Sheetrock	Conference room	ND	-	-	-
<b>WG-25</b>	<b>Window glazing</b>	<b>Fitness center</b>	<b>2% Chrysotile</b>	<b>Good</b>	<b>No</b>	<b>674</b>
WP-26	Wall plaster	Fitness center	ND	-	-	-
WP-27	Wall plaster	Training room A	ND	-	-	-
WP-28	Wall plaster	West corridor	ND	-	-	-
WP-29	Wall plaster	Janitor closet near womens restroom	ND	-	-	-
CT-30	2x4 Ceiling tile	Housekeeping office	ND	-	-	-
WP-31	Wall plaster	Storage 1	ND	-	-	-
SR-32	Sheetrock	Storage 1	ND	-	-	-
CP-33	Ceiling plaster	Storage 1	ND	-	-	-
<b>CTA-34</b>	<b>Ceiling tile adhesive</b>	<b>Storage 1</b>	<b>5% Chrysotile</b>	<b>Good</b>	<b>No</b>	<b>93,205</b>
WP-35	Wall plaster	East office area	ND	-	-	-
SR-36	Sheetrock	East office area	ND	-	-	-
WG-37	Window glazing	East office area	ND	-	-	-

**Bold** indicates asbestos containing material.  
 ND: Asbestos Not Detected

**Table 7C**  
**ACM Analysis Results**  
**3M Building 42**  
**2<sup>nd</sup> Floor**  
**AET Project No. 03-03262**

Sample No.	Description	Location	Asbestos (% Type)	Condition	Friable	Approx. Amt
SR-38	Sheetrock	West office area	ND	-	-	-
CTA-39	Ceiling tile adhesive, brown	west office area	ND	-	-	-
WP-40	Wall plaster	West staircase	ND	-	-	-
WP-41	Wall plaster	Electrical room	ND	-	-	-
SR-42	Sheetrock	Electrical room	ND	-	-	-
<b>CT-43</b>	<b>2x4 Ceiling tile, longitudinal pinhole with pink backing</b>	<b>Conference room 42-2E</b>	<b>2% Chrysotile</b>	<b>Good</b>	<b>Yes</b>	<b>Same as CT-8 (1,100)</b>
CTA-44	Ceiling tile adhesive, dark brown	Records storage room	ND	-	-	-
CP-45	Ceiling plaster	Records storage room	ND	-	-	-

**Bold** indicates asbestos containing material.

ND: Asbestos Not Detected

**Table 7D**  
**ACM Analysis Results**  
**3M Building 42**  
**3<sup>rd</sup> Floor**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
CTA-46	Ceiling tile adhesive	Computer room	ND	-	-	-
CTA-47	Ceiling tile adhesive	Computer room	ND	-	-	-
SR-48	Sheetrock	Computer room	ND	-	-	-
CTA-49	Ceiling tile adhesive	Computer room	ND	-	-	-
WP-50	Wall plaster	Computer room	ND	-	-	-
WP-51	Wall plaster	East office area	ND	-	-	-
SR-52	Sheetrock	Central hallway	ND	-	-	-
SR-52B	Sheetrock, joint compound	Central hallway	ND	-	-	-

**Bold** indicates asbestos containing material.

ND: Asbestos Not Detected

**Table 7E**  
**ACM Analysis Results**  
**3M Building 42**  
**4<sup>th</sup> Floor**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
CTA-53	Ceiling tile adhesive	West office area	ND	-	-	-
SR-54	Ceiling tile adhesive	West office area, ceiling	ND	-	-	-
WP-55	Sheetrock	West stairwell	ND	-	-	-
SR-56	Ceiling tile adhesive	West office area, south side room	ND	-	-	-
CT-57	Wall plaster	West office area	ND	-	-	-
SO-58	Wall plaster	Conference room 1	ND	-	-	-
SO-59	Sheetrock	Conference room 1	ND	-	-	-
SO-60	Sheetrock, joint compound	Conference room 2	ND	-	-	-
WP-61	Wall plaster	East stairwell	ND	-	-	-
WP-62	Wall plaster, topcoat	Meeting room	ND	-	-	-
WP-62	Wall plaster, bottom coat	Meeting room	ND	-	-	-

**Bold** indicates asbestos containing material.

ND: Asbestos Not Detected

SO-58, SO-59, and SO-60 are considered homogeneous material

**Table 7F**  
**ACM Analysis Results**  
**3M Building 42**  
**5<sup>th</sup> Floor**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
SR-63	Sheetrock	West office area	ND	-	-	-
CTA-64	Ceiling tile adhesive	West office area	ND	-	-	-
CT-65	2x4 ceiling tile, smooth shallow fissure	West office area	ND	-	-	-
WP-66	Wall plaster, topcoat	North center conference room	ND	-	-	-
WP-66	Wall plaster, basecoat	North center conference room	ND	-	-	-

**Bold** indicates asbestos containing material.  
 ND: Asbestos Not Detected

**Table 7G**  
**ACM Analysis Results**  
**3M Building 42**  
**6<sup>th</sup> Floor**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
SR-67	Sheetrock	West office area	ND	-	-	-
SR-68	Sheetrock	East office area	ND	-	-	-
CT-69	12x12 Ceiling tile	Elevator lobby	ND	-	-	-

**Bold** indicates asbestos containing material.

ND: Asbestos Not Detected

**Table 7H**  
**ACM Analysis Results**  
**3M Building 42**  
**7<sup>th</sup> Floor**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
SR-70	Sheetrock	West office area	ND	-	-	-
SR-71	Sheetrock	East office area	ND	-	-	-
CT-72	2x2 Ceiling tile, lumpy	West office area	ND	-	-	-

**Bold** indicates asbestos containing material.  
 ND: Asbestos Not Detected

**Table 71**  
**ACM Analysis Results**  
**3M Building 42**  
**8<sup>th</sup> Floor**  
**AET Project No. 03-03262**

<b>Sample No.</b>	<b>Description</b>	<b>Location</b>	<b>Asbestos (% Type)</b>	<b>Condition</b>	<b>Friable</b>	<b>Approx. Amt</b>
SR-73	Sheetrock	West office area	ND	-	-	-
SR-74	Sheetrock	East office area	ND	-	-	-
INS-75	Insulation	West office area, inside column	ND	-	-	-

**Bold** indicates asbestos containing material.  
 ND: Asbestos Not Detected

# Appendix A

---

Accreditation Certificates

Certificate No: 5LM11130806IR

Expiration Date: November 13, 2009

This is to certify that  
**Adam Zobel**  
has attended and successfully completed an  
**ASBESTOS INSPECTOR  
REFRESHER TRAINING COURSE**

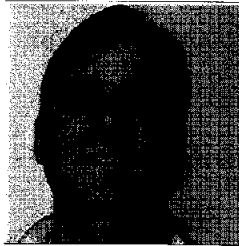
permitted by  
the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722  
and meets the requirements of  
Section 206 of Title II of the Toxic Substances Control Act (TSCA)  
conducted by

**Lake States Environmental, Ltd.**

in  
**White Bear Lake, MN on November 13, 2008**  
**Examination Date: November 13, 2008**

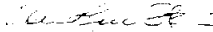
Lake States Environmental, Ltd  
P. O. Box 645, Rice Lake, WI 54868  
(800) 254-9811

  
Training Instructor



ASBESTOS  
INSPECTOR

Certified by:  
State of Minnesota  
Department of Health  
**Expires: 11/13/2009**  
Adam P Zobel  
3128 Louisiana Ave  
St. Louis Park, MN 55426

  
Director, Env. Health Div.

No AI9262

Issued: 12/02/2008

Certificate No: 5LM061708151R

Expiration Date: June 17, 2009


This is to certify that  
**Richard D. Lowe**  
has attended and successfully completed an  
**ASBESTOS INSPECTOR  
REFRESHER TRAINING COURSE**

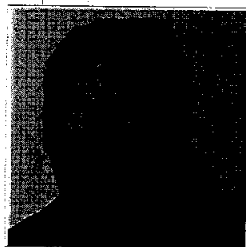
permitted by  
the State of Minnesota under Minnesota Rules 4620.3702 to 4620.3722  
and meets the requirements of  
Section 206 of Title II of the Toxic Substances Control Act (TSCA)  
conducted by

**Lake States Environmental, Ltd.**

in  
White Bear Lake, MN on June 17, 2008  
Examination Date: June 17, 2008

Lake States Environmental, Ltd  
P. O. Box 645, Rice Lake, WI 54868  
(800) 254-9811

  
Training Instructor

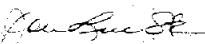


ASBESTOS  
INSPECTOR

Certified by  
State of Minnesota  
Department of Health

Expires: 07/17/2009

Richard D Lowe  
120 Interlachen Way Ct  
Stillwater, MN 55082

  
Director, Env. Health Div.

No. AI3065

Issued: 07/08/2008

# Appendix B

---

Analytical Results

## BULK MATERIAL ASBESTOS ANALYSIS REPORT

Client: Mr. Rich Lowe  
American Engineering Testing, Inc.  
550 Cleveland Avenue North  
St. Paul, MN 55114

Report Date: 4/6/09

Project No.: 0901903

Client Project: 03-03262.2 - 3M - Building 1

Date Received: 4/3/09

Date Analyzed: 4/3/09

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS TYPE (%)	OTHER MATERIAL (%)
1	0901903-7	WG-1 - Window Glaze White, Cementitious Homogeneous	None Detected	2% Talc 98% Nonfibrous

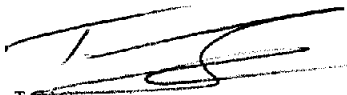
Reviewed by: Alan Cook AET

Date: 4/6/09

The analysis was performed in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993. All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received, unless other instructions are received from the client. The samples were received in acceptable condition.

NVLAP Laboratory Accreditation Number: 102081-0

ANALYST:

  
Todd Giorgi  
Microscopist

**NVLAP**<sup>®</sup>

NVLAP LAB CODE 102081-0

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- This report relates only to the above items tested.

**BULK MATERIAL ASBESTOS ANALYSIS REPORT**

Client: Mr. Rich Lowe  
American Engineering Testing, Inc.  
550 Cleveland Avenue North  
St. Paul, MN 55114

Report Date: 4/7/09

Project No.: 0901903

Client Project: 03-03262.2 - 3M - Building 2

Date Received: 4/3/09

Date Analyzed: 4/6/09

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS TYPE (%)	OTHER MATERIAL (%)
1	0901903-28	SR-1 - Sheetrock White, Cementitious Homogeneous	None Detected	5% Cellulose 92% Nonfibrous 3% Glass Fibers
2	0901903-29	TR-2 - Transite Gray, Cementitious Homogeneous	10% Chrysotile	90% Nonfibrous
3	0901903-30	SR-3 - Sheetrock White, Cementitious Homogeneous	None Detected	5% Cellulose 94% Nonfibrous <1% Glass Fibers
4	0901903-31	FT-4 - Floor Tile Yellow, Cementitious Homogeneous	None Detected	100% Nonfibrous
5A	0901903-32A	FT-5 - Floor Tile - Top Layer Red, Cementitious Homogeneous	None Detected	100% Nonfibrous
5B	0901903-32B	FT-5 - Floor Tile - Bottom Layer Yellow, Cementitious Homogeneous	None Detected	100% Nonfibrous
6	0901903-33	SU-6 - Sink Underlayment White, Cementitious Homogeneous	None Detected	15% Cellulose 85% Nonfibrous
7	0901903-34	CT-7 - Ceiling Tile Gray, Fibrous Homogeneous	None Detected	3% Cellulose 5% Nonfibrous 92% Glass Fibers
8	0901903-35	CTA-8 - Adhesive Tan, Cementitious Homogeneous	None Detected	2% Cellulose 96% Nonfibrous 2% Glass Fibers
9	0901903-36	CTA-9 - Adhesive Dark Brown, Cementitious Homogeneous	5% Chrysotile	93% Nonfibrous 2% Glass Fibers

Reviewed by: Adrian Zobel AET

Date: 4/7/09



NVLAP LAB CODE 102081-0

BULK MATERIAL ASBESTOS ANALYSIS REPORT (continued)

Client: American Engineering Testing, Inc.

Report Date: 4/7/09

Client Project: 03-03262.2 - 3M - Building 2

Project No.: 0901903

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS (%)	OTHER (%)
10	0901903-37	CT-10 - Ceiling Tile White, Cementitious Homogeneous	None Detected	5% Cellulose 92% Nonfibrous 3% Glass Fibers

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NVLAP Laboratory Accreditation Number: 102081-0

ANALYST:

  
Todd Giorgi  
Microscopist

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BULK MATERIAL ASBESTOS ANALYSIS REPORT

Client: Mr. Rich Lowe  
American Engineering Testing, Inc.  
550 Cleveland Avenue North  
St. Paul, MN 55114

Report Date: 4/6/09  
Project No.: 0901903  
Date Received: 4/3/09  
Date Analyzed: 4/6/09

Client Project: 03-03262.2 - 3M - Building 14


SAMPLE NO	LAB NO	SAMPLE DESCRIPTION	ASBESTOS TYPE (%)	OTHER MATERIAL (%)
1	0901903-8	WG-1 - Window Glaze White, Cementitious Homogeneous	2% Chrysotile	<1% Cellulose 96% Nonfibrous <1% Glass Fibers
2	0901903-9	WG-2 - Window Glaze White, Cementitious Homogeneous	2% Chrysotile	97% Nonfibrous <1% Glass Fibers
3	0901903-10	WG-3 - Window Glaze White, Cementitious Homogeneous	2% Chrysotile	98% Nonfibrous
4	0901903-11	WG-4 - Window Glaze White, Cementitious Homogeneous	3% Chrysotile	97% Nonfibrous

Reviewed by: Adm. Bob KET  
Date: 4/6/09

The analysis was performed in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993. All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received, unless other instructions are received from the client. The samples were received in acceptable condition.

NVLAP Laboratory Accreditation Number: 102081-0

ANALYST:

  
Todd Giorgi  
Microscopist

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BULK MATERIAL ASBESTOS ANALYSIS REPORT

Client: Mr. Rich Lowe  
 American Engineering Testing, Inc.  
 550 Cleveland Avenue North  
 St. Paul, MN 55114

Report Date: 4/6/09

Project No.: 0901903

Client Project: 03-03262.2 - 3M Building 20

Date Received: 4/3/09

Date Analyzed: 4/6/09

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS (MFL) (%)	OTHER MATERIAL (%)
1	0901903-1	CB-1 - Cement Board Tan, Cementitious Homogeneous	None Detected	20% Cellulose 80% Nonfibrous
2	0901903-2	SR-2 - Sheetrock White, Cementitious Homogeneous	None Detected	5% Cellulose 90% Nonfibrous 5% Glass Fibers
3	0901903-3	WG-3 - Window Glaze Gray, Cementitious Homogeneous	None Detected	98% Nonfibrous 2% Glass Fibers
4	0901903-4	WG-4 - Window Glaze White, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
5	0901903-5	FT-5 - Floor Tile Tan, Cementitious Homogeneous	3% Chrysotile	97% Nonfibrous
5M	0901903-5M	Mastic Black, Cementitious Homogeneous	5% Chrysotile	2% Cellulose 93% Nonfibrous
6	0901903-6	SR-6 - Sheetrock White, Cementitious Homogeneous	None Detected	2% Cellulose 93% Nonfibrous 5% Glass Fibers


Reviewed by: Adm Zied RET

Date: 4/6/09

The analysis was performed in accordance with current U.S. Environmental Protection Agency (USEPA) protocols, "Method for the Determination of Asbestos in Bulk Building Materials," EPA 600/R-93/116, 1993. All reported percentages are by visual estimates. In the case of nonhomogeneous samples, each material or layer is analyzed separately and the reported percentages are based on the total sample as received, unless other instructions are received from the client. The samples were received in acceptable condition.

NVLAP Laboratory Accreditation Number: 102081-0

ANALYST:

  
 Todd Giorgi  
 Microscopist

  
 NVLAP LAB CODE 102581-0

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**BULK MATERIAL ASBESTOS ANALYSIS REPORT**

Client: Mr. Rich Lowe  
American Engineering Testing, Inc.  
550 Cleveland Avenue North  
St. Paul, MN 55114

Report Date: 4/6/09

Project No.: 0901903

Date Received: 4/3/09

Date Analyzed: 4/6/09

Client Project: 03-03262.2 - 3M - Building 21

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS TYPE (%)	OTHER MATERIAL (%)
1	0901903-12	WS-1 - Wall Sealant Black, Cementitious Homogeneous	None Detected	100% Nonfibrous
2A	0901903-13A	PL-2 - Plaster - Topcoat White, Cementitious Homogeneous	None Detected	100% Nonfibrous
2B	0901903-13B	PL-2 - Plaster - Basecoat Gray, Cementitious Homogeneous	None Detected	<1% Cellulose 99% Nonfibrous
3A	0901903-14A	PL-3 - Plaster - Topcoat White, Cementitious Homogeneous	None Detected	100% Nonfibrous
3B	0901903-14B	PL-3 - Plaster - Basecoat Gray, Cementitious Homogeneous	None Detected	<1% Cellulose <1% Hair 98% Nonfibrous
4	0901903-15	PL-4 - Plaster Gray, Cementitious Homogeneous	None Detected	100% Nonfibrous
5	0901903-16	CT-5 - Ceiling Tile Gray, Fibrous Homogeneous	None Detected	50% Cellulose 25% Nonfibrous 25% Glass Fibers
6	0901903-17	WC-6 - Window Caulk Gray, Cementitious Homogeneous	None Detected	100% Nonfibrous
7	0901903-18	WG-7 - Window Glaze Gray, Cementitious Homogeneous	3% Chrysotile	<1% Cellulose 95% Nonfibrous <1% Glass Fibers
8A	0901903-19A	PL-8 - Plaster - Topcoat White, Cementitious Homogeneous	None Detected	99% Nonfibrous <1% Glass Fibers

Reviewed by: Adm Zed HET

Date: 4/6/09



NVLAP LAB CODE 100021-0

**BULK MATERIAL ASBESTOS ANALYSIS REPORT (continued)**

Client: American Engineering Testing, Inc.

Report Date: 4/6/09

Client Project: 03-03262.2 - 3M - Building 21


Project No.: 0901903

SAMPLE NO.	LAB NO.	SAMPLE DESCRIPTION	ASBESTOS TYPE (%)	OTHER MATERIAL (%)
8B	0901903-19B	PL-8 - Plaster - Basecoat Gray, Cementitious Homogeneous	None Detected	2% Cellulose 98% Nonfibrous

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NVLAP Laboratory Accreditation Number: 102081-0

ANALYST:

  
Todd Giorgi  
Microscopist

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