



**FINAL REPORT  
BUILDING 0679  
ASBESTOS MATERIALS RE-SURVEY AND LEAD-BASED PAINT INVESTIGATION  
EAST FORT BAKER  
SAUSALITO, CALIFORNIA**

**CONTRACT NUMBER DACA05-87-C-0188  
MODIFICATION P00008**

Prepared for:

**U.S. ARMY CORPS OF ENGINEERS  
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Versar Project Number 2901

March 8, 1996

**TABLE OF CONTENTS**

**1.0 BUILDING DESCRIPTION**

**2.0 ASBESTOS MATERIAL SURVEY**

2.1 Approach

2.2 Building Material Bulk Sample Summary

2.3 Hazard Assessments and Recommended Corrective Actions

**TABLES**

Table A Asbestos Building Data Summary

**FIGURES**

Figure A Asbestos Survey Drawings

**REFERENCES**

**APPENDICES**

Introduction to Appendices A-D

Appendix A Statement of Limitations

Appendix B ACM Exposure Hazard Assessment

Appendix C ACM Laboratory Reports

Appendix D ACM Chain of Custody Records

## 1.0 BUILDING DESCRIPTION

Building 0679 is a Boat House. The date of construction is unknown. The building has an approximate area of 8,290 square feet and consists of two floors. No asbestos abatement records were available for Building 0679.

Building 0679 is a wood structure on a concrete foundation. The exterior walls of the building are wood. The roof system consists of asphalt shingles and mineral roll roofing. Interior construction materials include wood, gypsum board/wall board, and paneled walls; gypsum board/wall board, acoustical ceiling tile (ACT), and wood ceilings; and concrete, ceramic tile, vinyl floor tile (VFT), wood, and carpet flooring. Heating is provided by space heaters. Domestic water pipes are uninsulated.



## 2.0 ASBESTOS MATERIAL SURVEY

### 2.1 Approach

Versar, Inc. (Versar) conducted a survey of Building 0679 for asbestos-containing materials (ACMs) in 1995, under contract with the U.S. Army Corps of Engineers, Sacramento District. This survey expands on a previous asbestos screening survey of East Fort Baker conducted by Occusafe, Inc. During the current survey, Versar visually inspected all readily accessible areas of the building, identified homogeneous areas of suspect material, and collected representative samples of suspect material for laboratory analysis. Flooring materials and most asphalt roofing materials were assumed to contain asbestos and were not sampled unless significantly damaged. All sampling and inspection activities were performed in accordance with the *Presidio of San Francisco, Asbestos Materials and Lead-Based Paint Resurvey, Preliminary Survey Submittal, Quality Assurance Control Program* and the *Presidio of San Francisco, Asbestos Materials and Lead-Based Paint Resurvey, Safety and Health Plan* and are subject to the Statement of Limitations presented as Appendix A.

Where ACM was identified in the interior of buildings, Versar conducted a qualitative assessment of potential risk to human health. The qualitative assessment considers each ACM in light of physical damage, water damage, distance from repairs, potential for contact, total area, barriers, building occupancy, friability, ventilation, air movement, activity levels, asbestos content, and type of material. The qualitative assessment produces a hazard rank ranging from 1, which represents the most risk to human health, to 6, which represents the least risk to human health. Versar also presents recommended response actions based on the ACM's assessed risk. Hazard ranks are not developed for exterior materials; however, Versar does provide recommended response actions for these materials. These recommendations represent Versar's professional judgement based upon industry standards and conditions existing at the time of the survey. The ACM Exposure Hazard Assessment is included as Appendix B. The ACM Laboratory Reports and ACM Chain of Custody Records are presented as Appendix C and Appendix D, respectively.



Cost estimates for removal of each individual identified and assumed ACM were calculated from unit costs collected from local abatement contractors. Cost estimates are based on removal of individual materials. Removal of a combination of materials could increase or decrease the total cost. For small quantities of materials, a minimum cost of \$1,500.00 was applied to account for fixed costs such as mobilization.

## **2.2 Building Material Bulk Sample Summary**

Thirty-five (35) samples of suspect ACMs including carpet mastic, gypsum board/wall board, gypsum board joint compound, gypsum board wall texture, asbestos concrete flue, ACT spline or glued, ACT lay-in, window putty, mastic, vinyl baseboard, vinyl baseboard mastic, and transite were collected from the building. Six (6) suspect ACMs including VFT, VFT mastic, grout, asphalt shingles, felt paper, and mineral roll roofing were assumed to contain asbestos. The sample locations and the laboratory results are presented in Figure A and Table A, respectively. Materials which were identified as containing asbestos, as well as materials that were not sampled but were assumed to contain asbestos, are discussed further in Section 2.3.

## **2.3 Hazard Assessments and Recommended Corrective Action**

The ACMs identified or assumed in Building 0679 include VFT, VFT mastic, gypsum board joint compound, gypsum board wall texture, grout, asbestos concrete flue, window putty, asphalt shingles, felt paper, mineral roll roofing, and transite.

Versar recommends that an ACM Operations and Maintenance (O&M) Program be developed at East Fort Baker. The O&M Program should include the procedures for managing the specific ACMs identified, and should be incorporated into the normal operating procedures for East Fort Baker. The components of the O&M Program should include the locations of all ACMs, reporting procedures, notifications to all contractors who perform work such as repairs to the heating, ventilation, and air conditioning (HVAC) systems, plumbing, electrical repairs, telephone repairs, or janitorial services. The O&M Program should provide the acceptable procedures for working with or near ACMs and should also provide for the



periodic reinspection of the materials by a person qualified to evaluate current conditions. In addition to the O&M Program, other recommended response actions are also provided in this report. Recommendations may include removal, repair, encapsulation, enclosure, or periodic inspection to ensure that the condition of the material has not changed. Asbestos-related activities should be performed in accordance with all federal, state, and local regulations.

The asbestos-containing VFT located sporadically on the second floor is assigned a friability rating of "nonfriable" and a damage rating of "none." Although no bulk samples of this material were collected, the material is assumed to contain asbestos. This material has a hazard rank of 5. Versar recommends conducting periodic inspections of this material as part of an O&M Program for proper management. Versar further recommends that individuals in these areas be instructed to refrain from any activity which could disturb the asbestos-containing VFT. This includes cutting, sanding, abrading, drilling, crushing, or any other activity having the potential to disturb the material. In addition, Versar recommends that sampling be performed to confirm the presence or absence of asbestos prior to any renovation or demolition that would disturb this material.

The asbestos-containing VFT mastic located sporadically on the second floor is assigned a friability rating of "nonfriable" and a damage rating of "none." Although no bulk samples of this material were collected, the material is assumed to contain asbestos. This material has a hazard rank of 6. Versar recommends incorporating the material into an O&M Program for proper management. Versar further recommends that individuals in these areas be instructed to refrain from any activity which could disturb the asbestos-containing VFT mastic. This includes cutting, sanding, abrading, drilling, crushing, or any other activity having the potential to disturb the material. In addition, Versar recommends that sampling be performed to confirm the presence or absence of asbestos prior to any renovation or demolition that would disturb this material.

The asbestos-containing gypsum board joint compound located in first and second floor bathrooms and storage areas and the third floor office is assigned a friability rating of "nonfriable" and a damage rating of "none." Bulk samples of this material were collected and



found to contain 2 percent chrysotile asbestos. This material has a hazard rank of 6. Versar recommends incorporating the material into an O&M Program for proper management. Versar further recommends that individuals in these areas be instructed to refrain from any activity which could disturb the asbestos-containing gypsum board joint compound. This includes drilling holes, installing nails or picture hangers, or any other activity having the potential to disturb the material.

The asbestos-containing gypsum board wall texture located in second floor bathrooms is assigned a friability rating of "nonfriable" and a damage rating of "none." Bulk samples of this material were collected and found to contain 1 percent chrysotile asbestos. This material has a hazard rank of 5. Versar recommends conducting periodic inspections of this material as part of an O&M Program for proper management. Versar further recommends that individuals in these areas be instructed to refrain from any activity which could disturb the asbestos-containing gypsum board wall texture. This includes drilling holes, installing nails or picture hangers, or any other activity having the potential to disturb the material.

The asbestos-containing grout located in the first floor bathroom is assigned a friability rating of "nonfriable" and a damage rating of "none." Although no bulk samples of this material were collected, the material is assumed to contain asbestos. This material has a hazard rank of 5. Versar recommends conducting periodic inspections of this material as part of an O&M Program for proper management. Versar further recommends that individuals in these areas be instructed to refrain from any activity which could disturb the asbestos-containing grout. This includes cutting, sanding, abrading, drilling, crushing, or any other activity having the potential to disturb the material. In addition, Versar recommends that sampling be performed to confirm the presence or absence of asbestos prior to any renovation or demolition that would disturb this material.

The asbestos-containing asbestos concrete flue located throughout the building is assigned a friability rating of "nonfriable" and a damage rating of "none." Bulk samples of this material were collected and found to contain 8 percent chrysotile and 1 percent



crocidolite asbestos. This material has a hazard rank of 6. Versar recommends incorporating the material into an O&M Program for proper management.

The asbestos-containing window putty located around windows is assigned a friability rating of "nonfriable" and a damage rating of "low." Bulk samples of this material were collected and found to contain 1 percent chrysotile asbestos. This material is located on the exterior of the building; therefore, a hazard rank is not applicable. Versar recommends incorporating the material into an O&M Program for proper management.

The asbestos-containing asphalt shingles located over the entire roof are assigned a friability rating of "low" and a damage rating of "none." Although no bulk samples of this material were collected, the material is assumed to contain asbestos. This material is located on the exterior of the building; therefore, a hazard rank is not applicable. Versar recommends incorporating the material into an O&M Program for proper management. In addition, Versar recommends that sampling be performed to confirm the presence or absence of asbestos prior to any renovation or demolition that would disturb this material.

The asbestos-containing felt paper located under asphalt shingles is assigned a friability rating of "low" and a damage rating of "none." Although no bulk samples of this material were collected, the material is assumed to contain asbestos. This material is located on the exterior of the building; therefore, a hazard rank is not applicable. Versar recommends incorporating the material into an O&M Program for proper management. In addition, Versar recommends that sampling be performed to confirm the presence or absence of asbestos prior to any renovation or demolition that would disturb this material.

The asbestos-containing mineral roll roofing located over asphalt shingles on one quarter of the roof is assigned a friability rating of "low" and a damage rating of "none." Although no bulk samples of this material were collected, the material is assumed to contain asbestos. This material is located on the exterior of the building; therefore, a hazard rank is not applicable. Versar recommends incorporating the material into an O&M Program for proper management. In addition, Versar recommends that sampling be performed to confirm



the presence or absence of asbestos prior to any renovation or demolition that would disturb this material.

The asbestos-containing transite located on the first floor is assigned a friability rating of "nonfriable" and a damage rating of "none." Bulk samples of this material were collected and found to contain 20 percent chrysotile asbestos. This material has a hazard rank of 5. Versar recommends conducting periodic inspections of this material as part of an O&M Program for proper management.

**Versar** INC.

**TABLE**

TABLE A  
 ASBESTOS BUILDING DATA SUMMARY  
 FORT BAKER  
 BUILDING NO. 0679

Page 1 of 3

Inspector: 5381/7212  
 Inspection Date: 09/21/95

HOMOGENEOUS AREA	MATERIAL	DAMAGE	FRIABILITY	HAZARD RANK	SAMPLE NUMBER	PERCENT ASBESTOS	ASBESTOS PRESENT	QUANTITY	UNIT	UNIT COST	ABATEMENT COST
4/0679/001	Vinyl Floor Tile (VFT)	NO	NONE	5	HA Summary	1-29	A	442	SF	\$1.50	\$1500
4/0679/002	VFT Mastic	NO	NONE	6	HA Summary	1-29	A	442	SF	\$1.10	\$1500
4/0679/003	Carpet Mastic	NO	NONE	-	HA Summary 4/0679/003/01	N.D.	N	3080	SF	\$2.00	\$0
4/0679/004	Gypsum Board/Wall Board	NO	NONE	-	HA Summary	N.D.	N	3920	SF	\$3.50	\$0
4/0679/005	Gypsum Board/Wall Board	NO	LOW	-	HA Summary 4/0679/004/01	N.D.	N	1970	SF	\$3.50	\$0
4/0679/006	Gypsum Board Joint Compound	NO	NONE	6	HA Summary 4/0679/005/01	N.D.	Y	1726	SF	\$3.50	\$6041
4/0679/007	Gypsum Board Wall Texture	NO	NONE	5	HA Summary 4/0679/006/01 4/0679/006/02 4/0679/006/03 4/0679/006/04 4/0679/006/05	1 2 N.A. N.A. N.A. N.A.	Y	592	SF	\$3.50	\$2072
4/0679/008	Grout	NO	NONE	5	HA Summary 4/0679/007/01 4/0679/007/02 4/0679/007/03	1 1 N.D.	A	72	SF	\$4.00	\$1500
4/0679/009	Asbestos Concrete Flue	NO	NONE	6	HA Summary 4/0679/009/01	8	Y	84	LF	\$5.00	\$1500
4/0679/010	ACT spline or glued	NO	MED	-	HA Summary 4/0679/010/01 4/0679/010/02 4/0679/010/03	N.D. N.D. N.D.	N	644	SF	\$2.50	\$0
4/0679/011	ACT spline or glued	NO	MED	-	HA Summary 4/0679/011/01 4/0679/011/02	N.D. N.D.	N	180	SF	\$2.50	\$0

Cost estimated represents total area of asbestos containing material.  
 Insulation, flooring, etc. are priced as systems unless otherwise noted.

Y=Yes  
 N=No  
 A=Assumed  
 R=Removed

N.D.=None Detected  
 N.A.=Not Analyzed

TABLE A  
 ASBESTOS BUILDING DATA SUMMARY  
 FORT BAKER  
 BUILDING NO. 0679

Page 2 of 3

Inspector: 5381/7212  
 Inspection Date: 09/21/95

HOMOGENEOUS AREA	MATERIAL	DAMAGE	FRIABILITY	HAZARD RANK	SAMPLE NUMBER	PERCENT ASBESTOS	ASBESTOS PRESENT	QUANTITY	UNIT	UNIT COST	ABATEMENT COST
4/0679/012	ACT spline or glued	NO	MED	-	4/0679/011/03 HA Summary	N.D.	N	36	SF	\$2.50	\$0
4/0679/013	ACT lay-in	NO	MED	-	4/0679/012/01 4/0679/012/02 4/0679/012/03 HA Summary	N.D. N.D. N.D. N.D.	N	168	SF	\$2.00	\$0
4/0679/014	ACT lay-in	NO	MED	-	4/0679/013/01 4/0679/013/02 4/0679/013/03 HA Summary	N.D. N.D. N.D. N.D.	N	1484	SF	\$2.00	\$0
4/0679/015	ACT lay-in	NO	MED	-	4/0679/014/01 4/0679/014/02 4/0679/014/03 HA Summary	N.D. N.D. N.D. N.D.	N	48	SF	\$2.00	\$0
4/0679/016	Window Putty	LOW	NONE	-	4/0679/015/01 4/0679/015/02 4/0679/015/03 HA Summary	N.D. N.D. N.D. 1	Y	1828	LF	\$3.10	\$5666
4/0679/017	Asphalt Shingles	NO	LOW	-	4/0679/016/01 HA Summary	1	A	6540	SF	\$2.00	\$13080
4/0679/018	Felt Paper	NO	LOW	-	HA Summary	1-29	A	6540	SF	\$5.00	\$32700
4/0679/019	Mineral Roll Roofing	NO	LOW	-	HA Summary	1-29	A	1620	SF	\$2.00	\$3240
4/0679/020	Mastic	NO	NONE	-	HA Summary	N.D.	N	244	SF	\$1.10	\$0
4/0679/021	Vinyl Baseboard	NO	NONE	-	4/0679/020/01 HA Summary	N.D. N.D.	N	27	LF	\$2.50	\$0
4/0679/022	Vinyl Baseboard Mastic	NO	NONE	-	4/0679/021/01 HA Summary 4/0679/022/01	N.D. N.D. N.D.	N	27	LF	\$2.50	\$0

N.D.=None Detected  
 N.A.=Not Analyzed  
 Y=Yes  
 N=No  
 A=Assumed  
 R=Removed

Cost estimated represents total area of asbestos containing material.  
 Insulation, flooring, etc. are priced as systems unless otherwise noted.

TABLE A  
 ASBESTOS BUILDING DATA SUMMARY  
 FORT BAKER  
 BUILDING NO. 0679

Page 3 of 3

Inspector: 5381/7212  
 Inspection Date: 09/21/95

HOMOGENEOUS AREA	MATERIAL	DAMAGE	FRIABILITY	HAZARD RANK	SAMPLE NUMBER	PERCENT ASBESTOS	ASBESTOS PRESENT	QUANTITY	UNIT	UNIT COST	ABATEMENT COST
4/0679/023	Transite	NO	NONE	5	HA Summary 4/0679/023/01	20 20	Y	3	SF	\$1.75	\$1500

GRAND TOTAL \$70299

N.D.=None Detected  
 N.A.=Not Analyzed

Y=Yes  
 N=No  
 A=Assumed  
 R=Removed

Cost estimated represents total area of asbestos containing material.  
 Insulation, flooring, etc. are priced as systems unless otherwise noted.

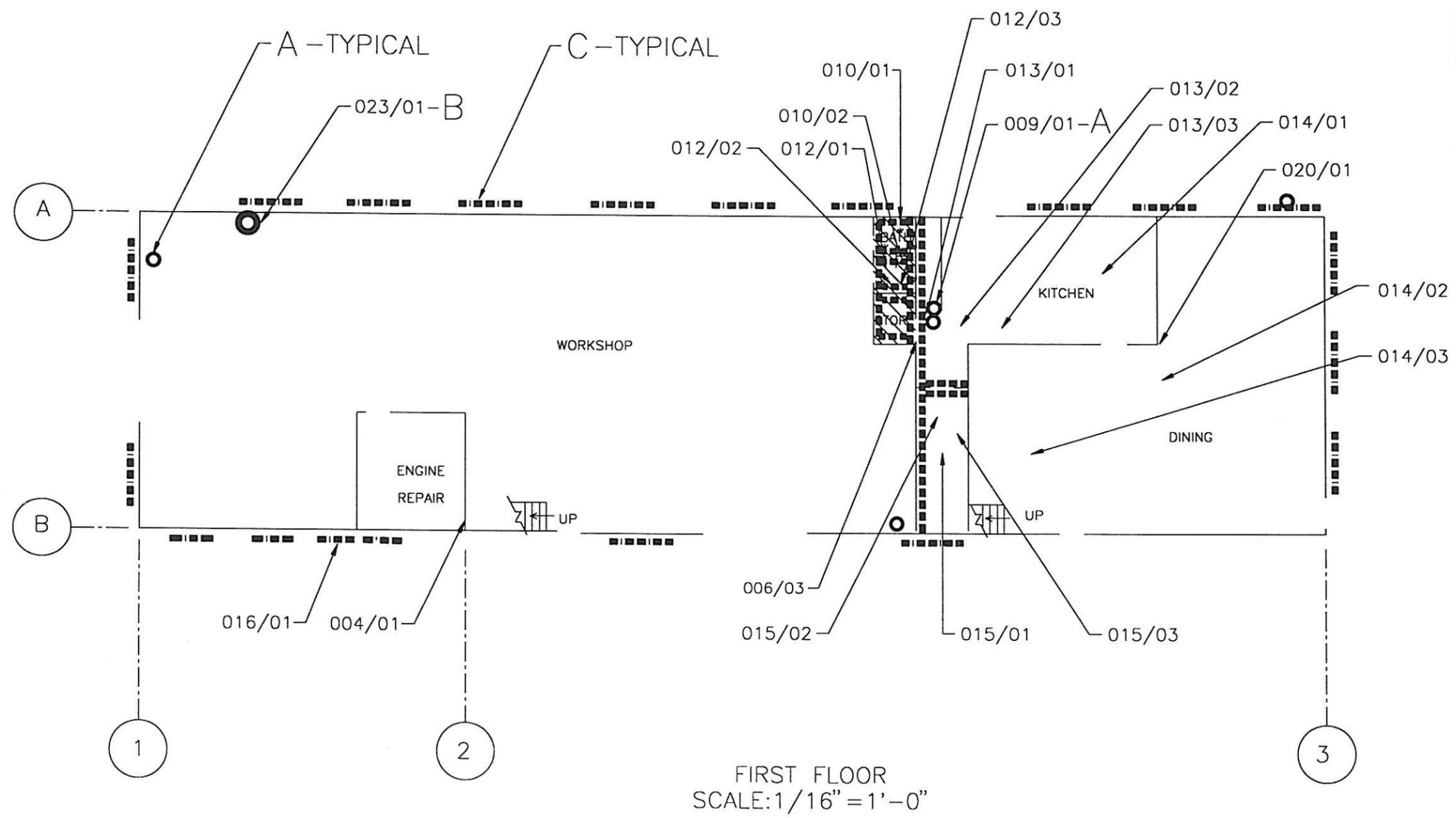
**FIGURE**

LEGEND OF ASBESTOS-CONTAINING MATERIALS

	FLOORING		SPRAYED ON ACOUSTICAL CEILING
	ASSUMED ACM FLOORING		OTHER CEILING MATERIAL
	THERMAL INSULATION		TAPING COMPOUND
	THERMAL INSULATION RISER		OTHER WALL MATERIAL
	OTHER THERMAL INSULATION		ASSUMED ACM OTHER WALL MATERIAL
	MISCELLANEOUS		ROOFING MATERIAL
			ASSUMED ROOFING MATERIAL

NOTES:

- A. TRANSITE FLUE
- B. TRANSITE SHEET-LOOSE
- C. WINDOW PUTTY



EAST FORT BAKER  
ASBESTOS SURVEY

VERSAR JOB NO.: 2901

LEGEND OF ASBESTOS-CONTAINING MATERIALS

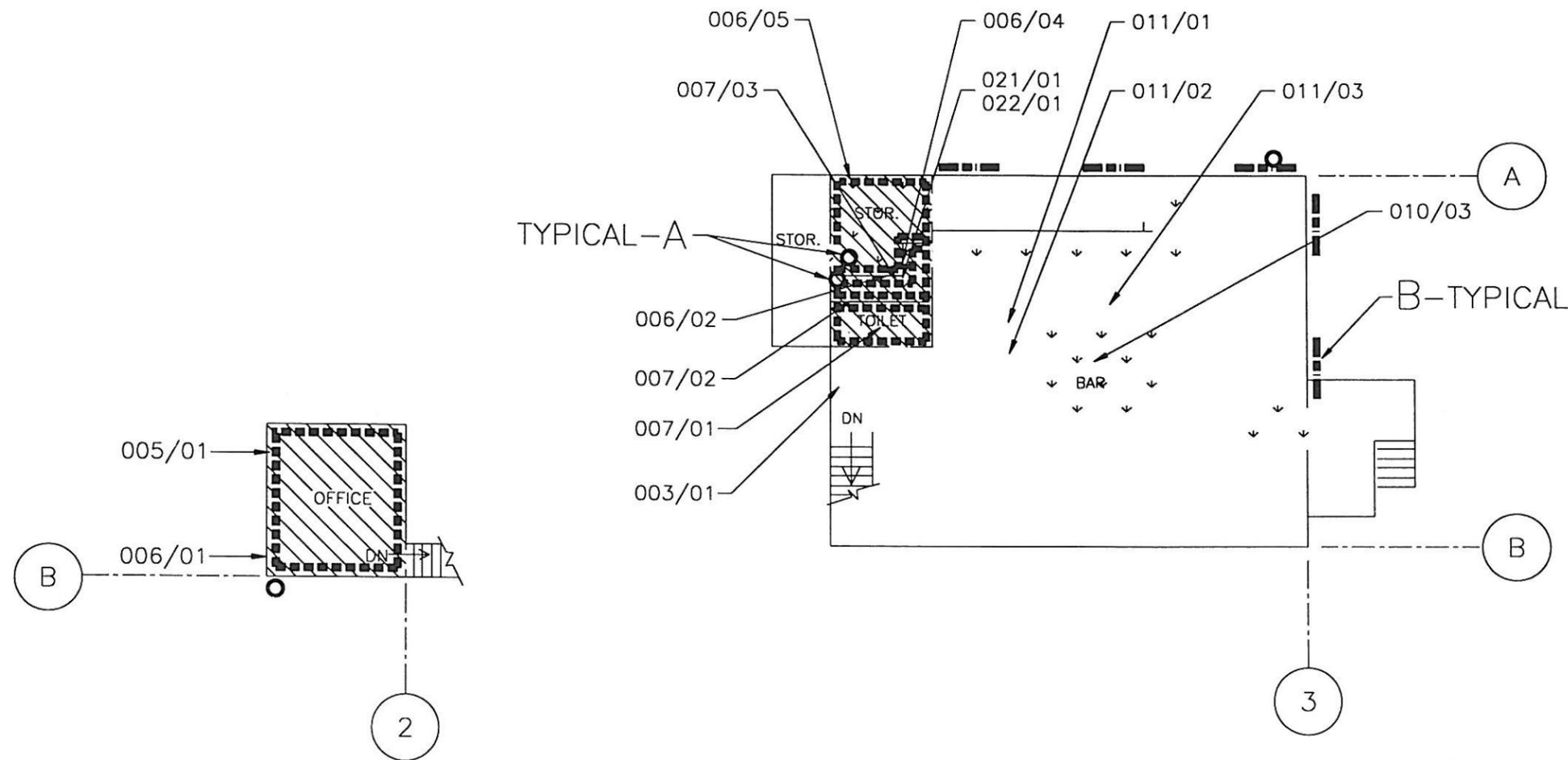
	FLOORING		SPRAYED ON ACOUSTICAL CEILING
	ASSUMED ACM FLOORING		OTHER CEILING MATERIAL
	THERMAL INSULATION		TAPING COMPOUND
	THERMAL INSULATION RISER		OTHER WALL MATERIAL
	OTHER THERMAL INSULATION		ASSUMED ACM OTHER WALL MATERIAL
	MISCELLANEOUS		ROOFING MATERIAL
			ASSUMED ROOFING MATERIAL

NOTES:

- A. TRANSITE FLUE
- B. WINDOW PUTTY

GENERAL:

- WALL TEXTURE ASSOCIATED WITH TAPING COMPOUND LOCATED THROUGHOUT THE WALLS AND ON CEILING IN THE TOILETS



SECOND FLOOR  
SCALE: 1/16" = 1'-0"

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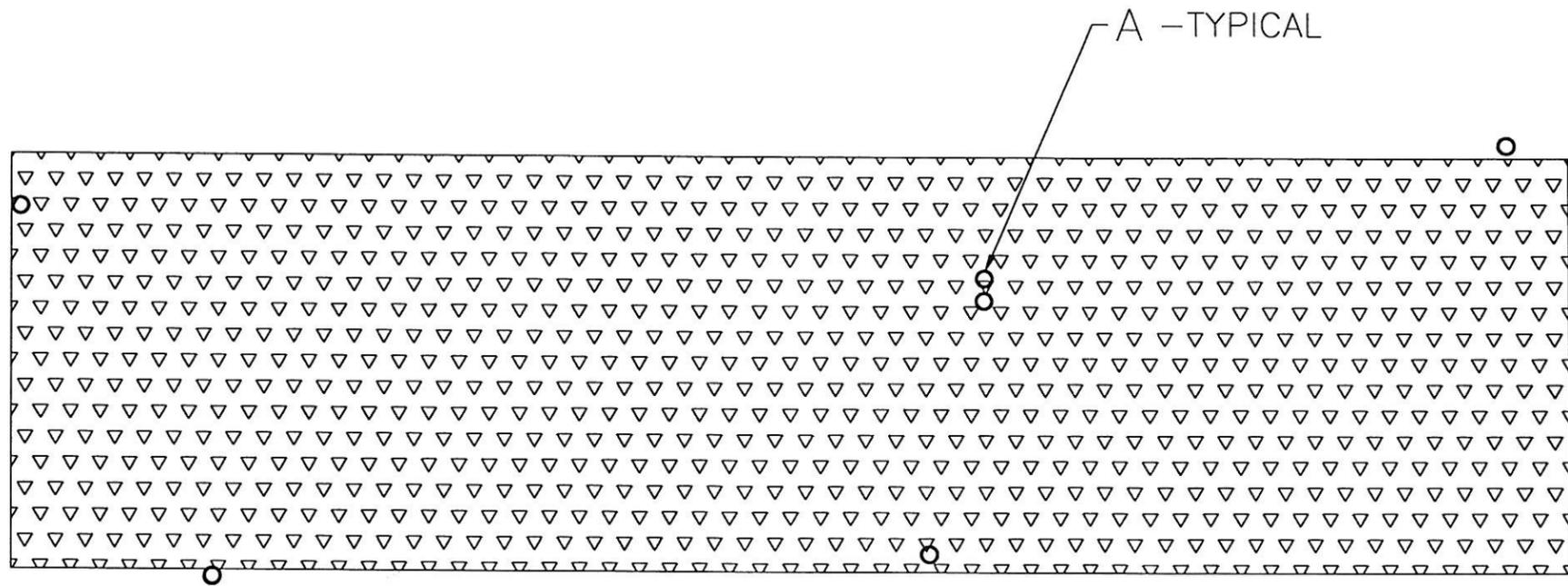
EAST FORT BAKER  
ASBESTOS SURVEY

VERSAR JOB NO.: 2901

LEGEND OF ASBESTOS-CONTAINING MATERIALS

	FLOORING		SPRAYED ON ACOUSTICAL CEILING
	ASSUMED ACM FLOORING		OTHER CEILING MATERIAL
	THERMAL INSULATION		TAPING COMPOUND
	THERMAL INSULATION RISER		OTHER WALL MATERIAL
	OTHER THERMAL INSULATION		ASSUMED ACM OTHER WALL MATERIAL
	MISCELLANEOUS		ROOFING MATERIAL
			ASSUMED ROOFING MATERIAL

NOTES:  
A. TRANSITE FLUE



ROOF  
SCALE: 1/16" = 1'-0"



EAST FORT BAKER  
ASBESTOS SURVEY

VERSAR JOB NO.: 2901



## REFERENCES

1. Versar, Inc. Presidio of San Francisco, Asbestos Materials and Lead-Based Paint Resurvey, Preliminary Survey Submittal, Quality Assurance Control Program. March 1995.
2. Versar, Inc. Presidio of San Francisco, Asbestos Materials and Lead-Based Paint Resurvey, Safety and Health Plan. March 1995.
3. Versar, Inc. Project Executive Summary. March 1996.
4. Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing. June 1995.



**INTRODUCTION TO APPENDICES A-D**



## INTRODUCTION TO APPENDICES A-D

### **Appendix A - Statement of Limitations**

Appendix A provides the Versar Statement of Limitations as it applies to asbestos-containing materials surveys, lead-based paint surveys, and soil sampling for lead. Additional limitations as well as inspection protocols are presented in Versar's *Project Executive Summary* (Versar, Inc. 1995).

### **Appendix B - ACM Exposure Hazard Assessment**

Appendix B presents individual damage and exposure factor rankings, the totals for the damage and exposure factors, and the resultant hazard ranking for each identified ACM.

### **Appendix C - ACM Laboratory Reports**

Appendix C provides laboratory reports for each ACM bulk sample collected. Included in the report is the field sample ID, laboratory sample ID, dates of sample collection and analysis, and the result of the analysis. If there are unusual findings or discrepancies, they will be listed following the analytical results.

### **Appendix D - ACM Chain of Custody Records**

Appendix D provides the chain of custody records that were used to ensure the proper handling and shipment of ACM bulk samples.



## **APPENDIX A**

### **Statement of Limitations**



## STATEMENT OF LIMITATIONS

The data presented and the opinions expressed in this report are qualified as follows:

- The sole purpose of the investigation and of this report is to assess the Site with respect to asbestos and/or lead-based paint materials as defined in Versar's Scope of Work and the applicable state and federal environmental laws and regulations.
- Versar derived the data in this report primarily from visual inspections, interviews with individuals with information about the Site, and a limited number of environmental samples. The passage of time, manifestation of latent conditions, or occurrence of future events may require further exploration at the Site, analysis of the data, and reevaluation of the findings, observations, conclusions, and recommendations expressed in the report.
- In preparing this report, Versar has relied upon and presumed accurate certain information (or the absence thereof) about the Site provided by the Client, and others identified herein. Except as otherwise stated in the report, Versar has not attempted to verify the accuracy or completeness of such information.
- The data reported and the findings, observations, conclusions, and recommendations expressed in the report are limited by the Scope of Services, including the extent of environmental sampling and other tests. The Scope of Services was defined by the requests of the Client, the time and budgetary constraints imposed by the Client, and the availability of access to the Site.
- Because of the limitations stated above, the findings, observations, conclusions and recommendations expressed by Versar in this report are limited to the information obtained and the surface and subsurface investigation undertaken and should not be considered an opinion concerning the compliance of any past or current owner or operator of the Site with any federal, state, or local law or regulation. No warranty or guarantee, whether express or implied, is made with respect to the data reported or findings, observations, conclusions, and recommendations expressed in this report. Further, such data, findings, observations, conclusions, and recommendations are based solely upon Site conditions in existence at the time of investigation.
- This report has been prepared on behalf of and for the exclusive use of the Client, and is subject to and issued in connection with the Agreement and the provisions thereof.



## **APPENDIX B**

### **ACM Exposure Hazard Assessment**

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/001  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 5381/7212

Material Code: 513  
 Material Description: Vinyl Floor Tile (VFT)

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	2
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	1	Activity:	0
		Floor:	1
		Barriers:	4
		Population:	1
Total Damage:	<u>4</u>	Total Exposure:	<u>9</u>

Hazard Rank: 5
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Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/002  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 5381/7212

Material Code: 572  
 Material Description: VFT Mastic

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	2
Distance From Repairs:	0	Walls:	1
Material:	0	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	1	Activity:	0
		Floor:	1
		Barriers:	1
		Population:	1
<b>Total Damage:</b>	<u>3</u>	<b>Total Exposure:</b>	<u>6</u>

Hazard Rank: 6

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/003  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 5381/7212

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Material Code: 571  
 Material Description: Carpet Mastic

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	3
Distance From Repairs:	0	Walls:	1
Material:	0	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	0
		Floor:	1
		Barriers:	1
		Population:	1
<b>Total Damage:</b>	<b>2</b>	<b>Total Exposure:</b>	<b>7</b>

Hazard Rank: -
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Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/004  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 5381/7212

Material Code: 539  
 Material Description: Gypsum Board/Wall Board

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	3
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	0
		Floor:	1
		Barriers:	2
		Population:	1
Total Damage:	<u>3</u>	Total Exposure:	<u>8</u>

Hazard Rank: -

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/005  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 5381/7212

Material Code: 539  
 Material Description: Gypsum Board/Wall Board

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	1
Water Damage:	0	Area:	3
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	0
		Floor:	1
		Barriers:	4
		Population:	1
<b>Total Damage:</b>	<u>3</u>	<b>Total Exposure:</b>	<u>11</u>

Hazard Rank: -
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Appendix B - ACM Exposure Hazard Assessment  
Presidio of San Francisco  
Asbestos Survey

Building number : 0679  
Homogeneous Area : 4/0679/006  
Boat House, Fort Mason

Inspection Date: 09/21/95  
Inspector(s): 5381/7212

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Material Code: 550  
Material Description: Gypsum Board Joint Compound

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	3
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	1	Activity:	0
		Floor:	1
		Barriers:	2
		Population:	1
Total Damage:	<u>4</u>	Total Exposure:	<u>8</u>

Hazard Rank: 6

Appendix B - ACM Exposure Hazard Assessment  
Presidio of San Francisco  
Asbestos Survey

Building number : 0679  
Homogeneous Area : 4/0679/007  
Boat House, Fort Mason

Inspection Date: 09/21/95  
Inspector(s): 5381/7212

---

Material Code: 309  
Material Description: Gypsum Board Wall Texture

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	2
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	1	Activity:	0
		Floor:	4
		Barriers:	2
		Population:	1
Total Damage:	<u>4</u>	Total Exposure:	<u>10</u>

Hazard Rank: 5

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/008  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

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Material Code: 575  
 Material Description: Grout

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	1
Distance From Repairs:	2	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	1	Activity:	2
		Floor:	2
		Barriers:	4
		Population:	1
Total Damage:	<u>6</u>	Total Exposure:	<u>11</u>

Hazard Rank: 5
----------------

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/009  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

Material Code: 527  
 Material Description: Asbestos Concrete Flue

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	1
Distance From Repairs:	0	Walls:	4
Material:	0	Ventilation:	0
Potential for Contact:	0	Air Movement:	0
Asbestos Content:	1	Activity:	2
		Floor:	1
		Barriers:	4
		Population:	1
<b>Total Damage:</b>	<u>1</u>	<b>Total Exposure:</b>	<u>13</u>

Hazard Rank: 6
----------------

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/010  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

Material Code: 501  
 Material Description: ACT spline or glued

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	3
Water Damage:	0	Area:	2
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	2
		Floor:	4
		Barriers:	4
		Population:	1
<b>Total Damage:</b>	<u>3</u>	<b>Total Exposure:</b>	<u>17</u>

Hazard Rank: -

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/011  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

Material Code: 501  
 Material Description: ACT spline or glued

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	3
Water Damage:	0	Area:	2
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	0	Air Movement:	0
Asbestos Content:	0	Activity:	2
		Floor:	4
		Barriers:	4
		Population:	1
<b>Total Damage:</b>	<b>1</b>	<b>Total Exposure:</b>	<b>17</b>

Hazard Rank: -
----------------

Appendix B - ACM Exposure Hazard Assessment  
Presidio of San Francisco  
Asbestos Survey

Building number : 0679  
Homogeneous Area : 4/0679/012  
Boat House, Fort Mason

Inspection Date: 09/21/95  
Inspector(s): 7212/5381

---

Material Code: 501  
Material Description: ACT spline or glued

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	3
Water Damage:	0	Area:	1
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	2
		Floor:	2
		Barriers:	4
		Population:	1
Total Damage:	<u>3</u>	Total Exposure:	<u>14</u>

Hazard Rank: -

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/013  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

---

Material Code: 502  
 Material Description: ACT lay-in

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	3
Water Damage:	3	Area:	2
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	2
		Floor:	1
		Barriers:	4
		Population:	1
Total Damage:	<u>6</u>	Total Exposure:	<u>14</u>

Hazard Rank: -
----------------

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/014  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

Material Code: 502  
 Material Description: ACT lay-in

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	3
Water Damage:	0	Area:	3
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	2
		Floor:	4
		Barriers:	4
		Population:	1
<b>Total Damage:</b>	<b>3</b>	<b>Total Exposure:</b>	<b>18</b>

Hazard Rank: -
----------------

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/015  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

Material Code: 502  
 Material Description: ACT lay-in

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	3
Water Damage:	0	Area:	1
Distance From Repairs:	0	Walls:	1
Material:	1	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	2
		Floor:	1
		Barriers:	4
		Population:	1
<b>Total Damage:</b>	<u>3</u>	<b>Total Exposure:</b>	<u>13</u>

Hazard Rank: -
----------------

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/016  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

Material Code: 569  
 Material Description: Window Putty

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	2	Friable:	0
Water Damage:	-	Area:	-
Distance From Repairs:	-	Walls:	-
Material:	1	Ventilation:	-
Potential for Contact:	-	Air Movement:	-
Asbestos Content:	1	Activity:	-
		Floor:	-
		Barriers:	-
		Population:	-
<b>Total Damage:</b>	<u>4</u>	<b>Total Exposure:</b>	<u>0</u>

Hazard Rank: -

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/017  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

Material Code: 553  
 Material Description: Asphalt Shingles

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	1
Water Damage:	-	Area:	-
Distance From Repairs:	-	Walls:	-
Material:	0	Ventilation:	-
Potential for Contact:	-	Air Movement:	-
Asbestos Content:	1	Activity:	-
		Floor:	-
		Barriers:	-
		Population:	-
Total Damage:	1	Total Exposure:	1

Hazard Rank: -
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Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/018  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

Material Code: 542  
 Material Description: Felt Paper

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	1
Water Damage:	-	Area:	-
Distance From Repairs:	-	Walls:	-
Material:	1	Ventilation:	-
Potential for Contact:	-	Air Movement:	-
Asbestos Content:	1	Activity:	-
		Floor:	-
		Barriers:	-
		Population:	-
<b>Total Damage:</b>	<b>2</b>	<b>Total Exposure:</b>	<b>1</b>

Hazard Rank: -
----------------

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/019  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

Material Code: 558  
 Material Description: Mineral Roll Roofing

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	1
Water Damage:	-	Area:	-
Distance From Repairs:	-	Walls:	-
Material:	0	Ventilation:	-
Potential for Contact:	-	Air Movement:	-
Asbestos Content:	1	Activity:	-
		Floor:	-
		Barriers:	-
		Population:	-
<b>Total Damage:</b>	<u>1</u>	<b>Total Exposure:</b>	<u>1</u>

Hazard Rank: -
----------------

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/020  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 5381/7212

Material Code: 573  
 Material Description: Mastic

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	2
Distance From Repairs:	0	Walls:	1
Material:	0	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	0
		Floor:	4
		Barriers:	2
		Population:	1
<b>Total Damage:</b>	<b>2</b>	<b>Total Exposure:</b>	<b>10</b>

Hazard Rank: -

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/021  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 5381/7212

Material Code: 541  
 Material Description: Vinyl Baseboard

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	1
Distance From Repairs:	0	Walls:	1
Material:	0	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	0
		Floor:	1
		Barriers:	4
		Population:	1
<b>Total Damage:</b>	<u>2</u>	<b>Total Exposure:</b>	<u>8</u>

Hazard Rank: -

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/022  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 5381/7212

Material Code: 570  
 Material Description: Vinyl Baseboard Mastic

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	1
Distance From Repairs:	0	Walls:	1
Material:	0	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	0	Activity:	0
		Floor:	1
		Barriers:	1
		Population:	1
<b>Total Damage:</b>	<u>2</u>	<b>Total Exposure:</b>	<u>5</u>

Hazard Rank: -

Appendix B - ACM Exposure Hazard Assessment  
 Presidio of San Francisco  
 Asbestos Survey

Building number : 0679  
 Homogeneous Area : 4/0679/023  
 Boat House, Fort Mason

Inspection Date: 09/21/95  
 Inspector(s): 7212/5381

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Material Code: 511  
 Material Description: Transite

	<u>DAMAGE</u>		<u>EXPOSURE</u>
Physical Damage:	0	Friable:	0
Water Damage:	0	Area:	0
Distance From Repairs:	0	Walls:	4
Material:	0	Ventilation:	0
Potential for Contact:	2	Air Movement:	0
Asbestos Content:	1	Activity:	2
		Floor:	1
		Barriers:	4
		Population:	1
Total Damage:	<u>3</u>	Total Exposure:	<u>12</u>

Hazard Rank: 5
----------------

**APPENDIX C**

**ACM Laboratory Reports**

# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/003/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545778CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 571

Material Description: Carpet Mastic

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	1	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 99 %

**COMMENTS:**

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
- \* Lab measurements and supporting documentation are available upon request.
- \* This report related only to items tested.
- \* This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Gov't.
- \* Dust, tile, and vinyl may contain asbestos fibers that cannot be detected with PLM. If greater certainty concerning asbestos content is desired, electron microscopy or XRD is recommended.

ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/004/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545779CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 539

Material Description: Gypsum Board/Wall Board

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: White

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	4	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 96 %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
- \* Lab measurements and supporting documentation are available upon request.
- \* This report related only to items tested.
- \* This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Gov't.
- \* Dust, tile, and vinyl may contain asbestos fibers that cannot be detected with PLM. If greater certainty concerning asbestos content is desired, electron microscopy or XRD is recommended.



ELENA SROVORODNICOVA  
NVLAP Signatory

ES

Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/005/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545780CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 539 Material Description: Gypsum Board/Wall Board

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: White

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	5	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	95	%

**COMMENTS:**

by NVLAP #1208

**Method: Polarized Light Microscopy/Dispersion Staining (PLM)  
40 CFR Part 763 App. A to Subpart F**

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
- \* Lab measurements and supporting documentation are available upon request.
- \* This report related only to items tested.
- \* This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Gov't.
- \* Dust, tile, and vinyl may contain asbestos fibers that cannot be detected with PLM. If greater certainty concerning asbestos content is desired, electron microscopy or XRD is recommended.

  
ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/006/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545781CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 550  
Material Description: Gypsum Board Joint Compound

**DATES:**

RECEIVED: 10/02/95      COLLECTED: 09/21/95      REPORTED: 02/16/96

COLOR/APPEARANCE: White

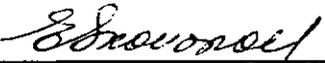
ASBESTOS CONTENT			NON-ASBESTOS/FIBROUS CONTENT		
Chrysotile	2	%	CELLULOSE	<1 Tr	%
Amosite	0	%	FIBROUS GLASS	0	%
Crocidolite	0	%	SYNTH. POLYMER	0	%
Tremolite	0	%	MINERAL WOOL	0	%
Actinolite	0	%	OTHER	0	%
Anthophyllite	0	%			
<b>TOTAL % ASBESTOS: 2 %</b>			<b>NON-ASBESTOS/NON-FIBROUS CONTENT</b>		
			BIND. MATERIAL	98	%

**COMMENTS:**

by NVLAP #1208

**Method: Polarized Light Microscopy/Dispersion Staining (PLM)  
40 CFR Part 763 App. A to Subpart F**

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
- \* Lab measurements and supporting documentation are available upon request.
- \* This report related only to items tested.
- \* This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Gov't.
- \* Dust, tile, and vinyl may contain asbestos fibers that cannot be detected with PLM. If greater certainty concerning asbestos content is desired, electron microscopy or XRD is recommended.

  
ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/007/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545784CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 309 Material Description: Gypsum Board Wall Texture

### DATES:

RECEIVED: 10/02/95 COLLECTED: 09/21/95 REPORTED: 02/16/96

COLOR/APPEARANCE: White

### ASBESTOS CONTENT

Chrysotile	<1 Tr	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	<1 Tr	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: < 1 TR %

### NON-ASBESTOS/NON-FIBROUS CONTENT

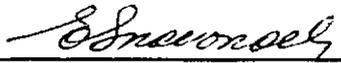
BIND. MATERIAL 99+ %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
- \* Lab measurements and supporting documentation are available upon request.
- \* This report related only to items tested.
- \* This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Gov't.
- \* Dust, tile, and vinyl may contain asbestos fibers that cannot be detected with PLM. If greater certainty concerning asbestos content is desired, electron microscopy or XRD is recommended.

  
ELENA SROVORODNICOVA  
NVLAP Signatory

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Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/007/02

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545785CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 309

Material Description: Gypsum Board Wall Texture

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: White

ASBESTOS CONTENT		
Chrysotile	<1 Tr	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	1	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: < 1 TR %

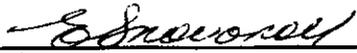
NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	99	%

**COMMENTS:**

by NVLAP #1208

**Method: Polarized Light Microscopy/Dispersion Staining (PLM)  
40 CFR Part 763 App. A to Subpart F**

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
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- \* Lab measurements and supporting documentation are available upon request.
- \* This report related only to items tested.
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**ELENA SROVORODNICOVA**  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/007/03

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545786CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 309 Material Description: Gypsum Board Wall Texture

**DATES:**

RECEIVED: 10/02/95 COLLECTED: 09/21/95 REPORTED: 02/16/96

COLOR/APPEARANCE: White

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	<1 Tr	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	99+	%

**COMMENTS:**

by NVLAP #1208

**Method: Polarized Light Microscopy/Dispersion Staining (PLM)  
40 CFR Part 763 App. A to Subpart F**

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**ELENA SROVORODNICOVA**  
NVLAP Signatory

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Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/009/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545787CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 527  
Material Description: Asbestos Concrete Flue

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Grey

### ASBESTOS CONTENT

Chrysotile	8	%
Amosite	0	%
Crocidolite	<1 Tr	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	0	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 8 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 92 %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/010/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545788CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 501

Material Description: ACT Splined or Glued

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	99	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	1	%

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/010/02

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545789CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 501

Material Description: ACT Splined or Glued

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	95	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

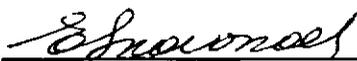
BIND. MATERIAL 5 %

**COMMENTS:**

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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Field Bulk Sample # : 4/0679/010/03

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545790CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 501

Material Description: ACT Splined or Glued

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	98	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	2	%

**COMMENTS:**

by NVLAP #1208

**Method: Polarized Light Microscopy/Dispersion Staining (PLM)  
40 CFR Part 763 App. A to Subpart F**

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Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/011/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545791CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 501 Material Description: ACT Splined or Glued

**DATES:**

RECEIVED: 10/02/95 COLLECTED: 09/21/95 REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	99+	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

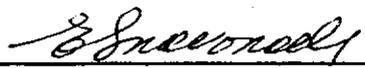
NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	<1 Tr	%

**COMMENTS:**

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/011/02

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545792CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 501

Material Description: ACT Splined or Glued

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	99+	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

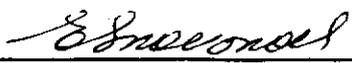
NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	<1 Tr	%

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/011/03

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## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545793CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 501

Material Description: ACT Splined or Glued

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	95	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 5 %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/012/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545794CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 501 Material Description: ACT Splined or Glued

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Brown

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	95	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

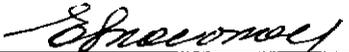
NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	5	%

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/012/02

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545795CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 501

Material Description: ACT Splined or Glued

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Brown

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	92	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 8 %

**COMMENTS:**

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/012/03

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545796CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 501

Material Description: ACT Splined or Glued

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Brown

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	90	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	10	%

TOTAL % ASBESTOS:	0	%
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**COMMENTS:**

by NVLAP #1208

**Method: Polarized Light Microscopy/Dispersion Staining (PLM)  
40 CFR Part 763 App. A to Subpart F**

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Field Bulk Sample # : 4/0679/013/01

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## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545797CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 502

Material Description: ACT Lay-In

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Brown

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	95	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 5 %

**COMMENTS:**

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/013/02

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## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545798CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 502

Material Description: ACT Lay-In

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Brown

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	99+	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

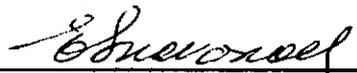
NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	<1 Tr	%

**COMMENTS:**

by NVLAP #1208

**Method: Polarized Light Microscopy/Dispersion Staining (PLM)  
40 CFR Part 763 App. A to Subpart F**

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Field Bulk Sample # : 4/0679/013/03

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545799CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 502 Material Description: ACT Lay-In

**DATES:**

RECEIVED: 10/02/95 COLLECTED: 09/21/95 REPORTED: 02/16/96

COLOR/APPEARANCE: Brown

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	99+	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

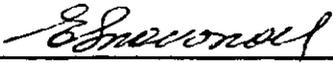
NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	<1 Tr	%

**COMMENTS:**

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
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- \* This report related only to items tested.
- \* This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Gov't.
- \* Dust, tile, and vinyl may contain asbestos fibers that cannot be detected with PLM. If greater certainty concerning asbestos content is desired, electron microscopy or XRD is recommended.

  
ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/014/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545800CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 502  
Material Description: ACT Lay-In

### DATES:

RECEIVED: 10/02/95      COLLECTED: 09/21/95      REPORTED: 02/16/96

COLOR/APPEARANCE: Grey

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	65	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	25	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

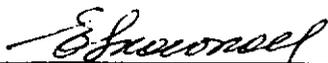
BIND. MATERIAL 10 %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
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ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/014/02

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545801CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 502

Material Description: ACT Lay-In

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Grey

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	65	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	20	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 15 %

**COMMENTS:**

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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ELENA SROVORODNICOVA  
NVLAP Signatory

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Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/014/03

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545802CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 502

Material Description: ACT Lay-In

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Grey

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	65	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	25	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 10 %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
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ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/015/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545803CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 502 Material Description: ACT Lay-In

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	100	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	0	%

**COMMENTS:**

by NVLAP #1208

**Method: Polarized Light Microscopy/Dispersion Staining (PLM)  
40 CFR Part 763 App. A to Subpart F**

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
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**ELENA SROVORODNICOVA**  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/015/02

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545804CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 502 Material Description: ACT Lay-In

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

ASBESTOS CONTENT		
Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

NON-ASBESTOS/FIBROUS CONTENT		
CELLULOSE	100	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

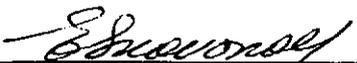
TOTAL % ASBESTOS: 0 %

NON-ASBESTOS/NON-FIBROUS CONTENT		
BIND. MATERIAL	0	%

COMMENTS:  
by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/015/03

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545805CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 502

Material Description: ACT Lay-In

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	95	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

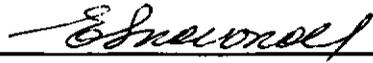
BIND. MATERIAL 5 %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/016/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545806CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 569

Material Description: Window Putty

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: White

### ASBESTOS CONTENT

Chrysotile	1	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	0	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 1 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 99 %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
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ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample # : 4/0679/020/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545807CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 573

Material Description: Mastic

**DATES:**

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	<1 Tr	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 99+ %

**COMMENTS:**

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/021/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545808CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 541

Material Description: Vinyl Baseboard

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Black

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	0	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

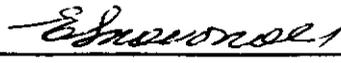
BIND. MATERIAL 100 %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

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ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/022/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545809CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 570

Material Description: Vinyl Baseboard Mastic

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Yellow

### ASBESTOS CONTENT

Chrysotile	0	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	<1 Tr	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 0 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

BIND. MATERIAL 99+ %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
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ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst

# RJ Lee Group, Inc.

Field Bulk Sample #: 4/0679/023/01

NVLAP Accreditation #1208

## LABORATORY REPORT -- BULK ASBESTOS ANALYSIS

RJL Job Number: AOC510020

Laboratory Sample #: 1545810CPL

Project Site: Building #: 2901 COE-East Fort Baker - Bldg. #0679

Material Code #: 511

Material Description: Transite

### DATES:

RECEIVED: 10/02/95

COLLECTED: 09/21/95

REPORTED: 02/16/96

COLOR/APPEARANCE: Grey

### ASBESTOS CONTENT

Chrysotile	20	%
Amosite	0	%
Crocidolite	0	%
Tremolite	0	%
Actinolite	0	%
Anthophyllite	0	%

### NON-ASBESTOS/FIBROUS CONTENT

CELLULOSE	<1 Tr	%
FIBROUS GLASS	0	%
SYNTH. POLYMER	0	%
MINERAL WOOL	0	%
OTHER	0	%

TOTAL % ASBESTOS: 20 %

### NON-ASBESTOS/NON-FIBROUS CONTENT

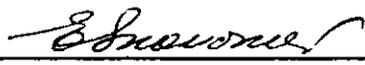
BIND. MATERIAL 80 %

### COMMENTS:

by NVLAP #1208

### Method: Polarized Light Microscopy/Dispersion Staining (PLM) 40 CFR Part 763 App. A to Subpart F

- \* N.D. = None Detected (Method Detection Limit is 1%); Trace = Less %1
- \* If sample is not homogenous, separate components are analyzed separately and a single result is reported.
- \* Lab measurements and supporting documentation are available upon request.
- \* This report related only to items tested.
- \* This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Gov't.
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ELENA SROVORODNICOVA  
NVLAP Signatory

ES  
Asbestos Analyst



## APPENDIX D

### ACM Chain of Custody Records

# Bulk Sample Chain of Custody Record

## VERSAR, Inc.

Page 1 of 4  
This Building Only

ASBESTOS AND LEAD BASED PAINT RE-SURVEY AT  
PRESIDIO OF SAN FRANCISCO, CA

Client: COE PRESIDIO

Project#: 2901

Sample Date: 09-21-95

Lab File#: \_\_\_\_\_

Analysis Requested: PLM SEM, or Other: \_\_\_\_\_

Site/Building #: 04/0679

Turnaround Time: Normal Other: \_\_\_\_\_

Results To: \_\_\_\_\_ Phone#: \_\_\_\_\_

04	0679	003	01
Site#	Bldg#	HA#	S#

Lab Use Only

571 Material Code

04	0679	004	01
Site#	Bldg#	HA#	S#

Lab Use Only

539 Material Code

04	0679	005	01
Site#	Bldg#	HA#	S#

Lab Use Only

539 Material Code

04	0679	006	01
Site#	Bldg#	HA#	S#

Lab Use Only

550 Material Code

04	0679	006	02
Site#	Bldg#	HA#	S#

Lab Use Only

550 Material Code

04	0679	006	03
Site#	Bldg#	HA#	S#

Lab Use Only

550 Material Code

04	0679	007	01
Site#	Bldg#	HA#	S#

Lab Use Only

309 Material Code

04	0679	007	02
Site#	Bldg#	HA#	S#

Lab Use Only

309 Material Code

04	0679	007	03
Site#	Bldg#	HA#	S#

Lab Use Only

309 Material Code

Total Samples This Page Only 9

Total Samples On All Pages, this Building 35

Total All HA's, including Assumed, for ALL Pages ~~23~~ 23

Company	Print Name	Signature	Date	24 hr Time
Relinquished By: <u>VERSAR</u>	<u>L. RAMOS</u>	<u>L.S. Ramos</u>	<u>9/25/95</u>	<u>1500</u>
Received By: _____	_____	_____	_____	_____
Relinquished By: _____	_____	_____	_____	_____
Received By: _____	_____	_____	_____	_____
Relinquished By: _____	_____	_____	_____	_____
Received By: _____	_____	_____	_____	_____

# Bulk Sample Chain of Custody Record

## VERSAR, Inc.

Page 2 of 4  
This Building Only

ASBESTOS AND LEAD BASED PAINT RE-SURVEY AT  
PRESIDIO OF SAN FRANCISCO, CA

Client: COE PRESIDIO

Project#: 2901

Lab File#: \_\_\_\_\_

Site/Building #: 04/0679

Analysis Requested: FLM SEM, or Other: \_\_\_\_\_

Sample Date: 09-21-95

Turnaround Time: Normal Other: \_\_\_\_\_

Results To: \_\_\_\_\_ Phone#: \_\_\_\_\_

04	0679	009	01
Site#	Bldg#	HA#	S#

Lab Use Only

527 Material Code

04	0679	010	01
Site#	Bldg#	HA#	S#

Lab Use Only

501 Material Code

04	0679	010	02
Site#	Bldg#	HA#	S#

Lab Use Only

501 Material Code

04	0679	010	03
Site#	Bldg#	HA#	S#

Lab Use Only

501 Material Code

04	0679	011	01
Site#	Bldg#	HA#	S#

Lab Use Only

501 Material Code

04	0679	011	02
Site#	Bldg#	HA#	S#

Lab Use Only

501 Material Code

04	0679	011	03
Site#	Bldg#	HA#	S#

Lab Use Only

501 Material Code

04	0679	012	01
Site#	Bldg#	HA#	S#

Lab Use Only

501 Material Code

04	0679	012	02
Site#	Bldg#	HA#	S#

Lab Use Only

501 Material Code

Total Samples This Page Only 9

Total Samples On All Pages, this Building 35

Total All HA's, including Assumed, for ALL Pages 23 23

	Company	Print Name	Signature	Date	24 hr Time
Relinquished By:	<u>VERSAR</u>	<u>L. RAMOS</u>	<u>L.S. Ramos</u>	<u>9/25/95</u>	<u>1500</u>
Received By:					
Relinquished By:					
Received By:					
Relinquished By:					
Received By:					

# Bulk Sample Chain of Custody Record

## VERSAR, Inc.

Page 3 of 4  
This Building Only

ASBESTOS AND LEAD BASED PAINT RE-SURVEY AT  
PRESIDIO OF SAN FRANCISCO, CA

Client: COE PRESIDIO

Project#: 2901

Lab File#: \_\_\_\_\_

Site/Building #: 04/0679

Sample Date: 09-21-95

Analysis Requested: PLM SEM, or Other: \_\_\_\_\_

Turnaround Time: Normal Other: \_\_\_\_\_

Results To: \_\_\_\_\_ Phone#: \_\_\_\_\_

04 Site#	0679 Bldg#	012 HA#	03 S#	Lab Use Only	501 Material Code
04 Site#	0679 Bldg#	013 HA#	03 S#	Lab Use Only	502 Material Code
04 Site#	0679 Bldg#	014 HA#	03 S#	Lab Use Only	502 Material Code
04 Site#	0679 Bldg#	013 HA#	01 S#	Lab Use Only	502 Material Code
04 Site#	0679 Bldg#	014 HA#	01 S#	Lab Use Only	502 Material Code
04 Site#	0679 Bldg#	015 HA#	01 S#	Lab Use Only	502 Material Code
04 Site#	0679 Bldg#	013 HA#	02 S#	Lab Use Only	502 Material Code
04 Site#	0679 Bldg#	014 HA#	02 S#	Lab Use Only	502 Material Code
04 Site#	0679 Bldg#	015 HA#	02 S#	Lab Use Only	502 Material Code

Total Samples This Page Only 9      Total Samples On All Pages, this Building 35      Total All HA's, including Assumed, for ALL Pages ~~30~~ 23

Company	Print Name	Signature	Date	24 hr Time
Relinquished By: <u>VERSAR</u>	<u>L. RAMOS</u>	<u>L.S. Ramos</u>	<u>9/25/95</u>	<u>1500</u>
Received By: _____	_____	_____	_____	_____
Relinquished By: _____	_____	_____	_____	_____
Received By: _____	_____	_____	_____	_____
Relinquished By: _____	_____	_____	_____	_____
Received By: _____	_____	_____	_____	_____

# Bulk Sample Chain of Custody Record

## VERSAR, Inc.

Page 4 of 4  
This Building Only

ASBESTOS AND LEAD BASED PAINT RE-SURVEY AT  
PRESIDIO OF SAN FRANCISCO, CA

Client: COE PRESIDIO  
Project#: 2901  
Lab File#: \_\_\_\_\_  
Site/Building #: 04/0679

Sample Date: 09-21-95  
Analysis Requested: PLM SEM, or Other: \_\_\_\_\_  
Turnaround Time: Normal Other: \_\_\_\_\_  
Results To: \_\_\_\_\_ Phone#: \_\_\_\_\_

04 Site#	0679 Bldg#	015 HA#	03 S#	04 Site#	0679 Bldg#	021 HA#	01 S#	04 Site#	0679 Bldg#	006 HA#	04 S#
Lab Use Only				Lab Use Only				Lab Use Only			
502 Material Code				541 Material Code				550 Material Code			
04 Site#	0679 Bldg#	016 HA#	01 S#	04 Site#	0679 Bldg#	022 HA#	01 S#	04 Site#	0679 Bldg#	006 HA#	05 S#
Lab Use Only				Lab Use Only				Lab Use Only			
569 Material Code				570 Material Code				550 Material Code			
04 Site#	0679 Bldg#	020 HA#	01 S#	04 Site#	0679 Bldg#	023 HA#	01 S#	<del>04</del> Site#	<del>0679</del> Bldg#	<del>HA#</del>	<del>S#</del>
Lab Use Only				Lab Use Only				Lab Use Only			
573 Material Code				511 Material Code				Material Code			

Total Samples This Page Only 8      Total Samples On All Pages, this Building 35      Total All HA's, including Assumed, for ALL Pages ~~30~~ 23

	Company	Print Name	Signature	Date	24 hr Time
Relinquished By:	VERSAR	L. RAMOS	L.S. Ramos	9/25/95	1500
Received By:					
Relinquished By:					
Received By:					
Relinquished By:					
Received By:					

