

ASBESTOS BUILDING INSPECTION

LOCATION:

**SCHOOL OF BUSINESS ADMINISTRATION
631 SW HARRISON STREET
PORTLAND, OREGON 97201**

JULY 11, 2008

FORENSIC ANALYTICAL PROJECT NO. PJ5554

PREPARED FOR:

PORTLAND STATE UNIVERSITY
PO BOX 13175
PORTLAND, OREGON 97403

PREPARED BY:



Forensic Analytical Consulting Services, Inc.
Portland Office
17400 SW Upper Boones Ferry Road, Suite 245
Portland, OR 97224
503/595.1001

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1.0 INTRODUCTION

Forensic Analytical Specialties, Inc. performed an inspection to identify asbestos-containing building materials at the property located at 631 SW Harrison Street, Portland, Oregon. Dan Rouse, Noal Kraft and Robin Sharpe conducted the field investigation on May 7th and 8th, 2008 at the direction of Kate Vance of Portland State University.

The purpose of the inspection is to determine whether ACM is present in the structure onsite. The subject property was built in two-phases between 1979 and 1989. The six-story building includes 57,570 sq. ft. of laboratories, classrooms and offices.

This report presents the results of the asbestos inspection conducted by Forensic Analytical Consulting Services, Inc. for the above referenced project. Results of the inspection are summarized in Appendix A.

Drawings depicting ACM and sample locations are presented in Appendix B. A detailed laboratory report and chain of custody forms are contained in Appendix C.

2.0 FINDINGS

The results of the samples indicate that asbestos was detected at the site. Below are the materials determined to contain asbestos.

3.0 RECOMMENDATIONS

Materials for which sample analysis by PLM results in greater than one percent asbestos (for any one sample collected from a homogeneous material) are classified as ACM under regulations promulgated by, but not limited to, the following agencies: federal EPA and federal OSHA.

The agencies use the following definitions:

- Federal EPA (Oregon DEQ): materials containing greater than one percent asbestos are ACM
- Federal OSHA (OR-OSHA): materials containing greater than one percent asbestos are ACM

For detailed regulatory requirements in specific situations, Forensic Analytical should be consulted, or the applicable regulations should be examined.

All materials identified were classified by condition. Materials in "Good" condition should be maintained in place following the OR-OSHA operations and maintenance requirements. Materials in "Fair" condition should have patch and repair activities performed to address any damaged areas. Materials in "Poor" condition should be addressed through removal, repair and/or encapsulation.

4.0 METHODS

Materials suspected of containing asbestos were sampled in accordance with the federal EPA AHERA protocols. Materials determined by the inspector to be non-suspect, such as wood, metal, glass, and fiberglass insulation, were not sampled. Destructive sample techniques were not used during the

inspection. Additional suspect building materials may be present in areas that were inaccessible, unsafe to inspect, or obscured from view during the inspection process.

Suspect materials were grouped and classified as homogeneous materials based on their appearance, usage, and age of the building. Representative samples of each homogeneous material were collected for laboratory analysis. Where previous sample data exists, one confirming sample was collected of materials that previously tested positive. Additionally, where multiple samples of a given homogeneous material were collected, the set was analyzed to first positive.

The unique sample description ID was developed specifically for PSU. The sample ID includes; the PSU building ID; the homogeneous material number; followed by a unique material code (FT = Floor Tile); and lastly the sample number.

Samples were collected in such a manner as to minimize release of the material into the surroundings. Material type, sample number, sample location and other pertinent information were recorded at the time of sampling. Each sample was placed in a sample container labeled with a unique sample number and submitted to Forensic Analytical's NVLAP-accredited laboratory for analysis under chain of custody documentation. Samples were analyzed in accordance with EPA Method 600/R-93-116, using PLM with dispersion staining and using visual area estimation to determine percent asbestos content. This method allows for the identification of the primary types of asbestos used in building materials. The lower limit of detection for this method is one percent. Samples containing less than one percent asbestos by PLM with visual area estimation are reported as Trace.

5.0 LIMITATIONS

Forensic Analytical did not inspect subsurface areas for asbestos. ACM such as underground waterproofing coatings, asbestos-cement water pipe, electrical ducts, or other subsurface materials or equipment may be present beneath the site. Forensic Analytical did not disassemble building equipment; such as fans, ducts, elevator equipment, and electrical equipment. Consequently, equipment may contain untested gaskets, internal components, overspray of building materials and the like. If the aforementioned materials or any other untested suspect materials are encountered during construction or maintenance activities, they should be assumed to be asbestos-containing materials and not disturbed, unless sampling and analysis of the materials proves otherwise.

Forensic Analytical has performed this asbestos sampling in accordance with generally accepted methods and practices of the profession, and consistent with that level of care and skill ordinarily exercised by reputable environmental consultants under similar conditions and circumstances. No other representation, guarantee or warranty, express or implied, is included or intended in this asbestos inspection report.

Respectfully submitted,



Dan Rouse

Reviewed by,



Noal Kraft

APPENDIX A

COMPLETE SAMPLE INVENTORY

SAMPLE ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	MATERIAL LOCATION	ASB. % AND TYPE	APPROX. QUANTITY	CONDITION
SBA-01-FT-1	Floor Tile, 12" x 12" Brown Granite, and Tan Mastic	SBA - C614	-	ND	-	-
SBA-01-FT-2	Floor Tile, 12" x 12" Brown Granite, and Tan Mastic	SBA - C314	-	ND	-	-
SBA-01-FT-3	Floor Tile, 12" x 12" Brown Granite, and Tan Mastic	SBA - C214	-	ND	-	-
SBA-04-CT-1	Ceiling Tile, 2' x 6' (2' x 2' Pattern), Gouged w/ Pinholes	SBA - C414	-	ND	-	-
SBA-04-CT-2	Ceiling Tile, 2' x 6' (2' x 2' Pattern), Gouged w/ Pinholes	SBA - C314	-	ND	-	-
SBA-04-CT-3	Ceiling Tile, 2' x 6' (2' x 2' Pattern), Gouged w/ Pinholes	SBA - C114	-	ND	-	-
SBA-03-CB-1	Cove Base, 4" Off-White, and Yellow Adhesive	SBA - C614	-	ND	-	-
SBA-02-CM-1	Carpet Mastic, Yellow	SBA - 694	-	ND	-	-
SBA-05-PL-1	Plaster, Wall	SBA - C614	-	ND	-	-
SBA-05-PL-2	Plaster, Wall	SBA - C514	-	ND	-	-
SBA-05-PL-3	Plaster, Wall	SBA - C414	-	ND	-	-
SBA-05-PL-4	Plaster, Wall	SBA - 390	-	ND	-	-
SBA-05-PL-5	Plaster, Wall	SBA - C214	-	ND	-	-

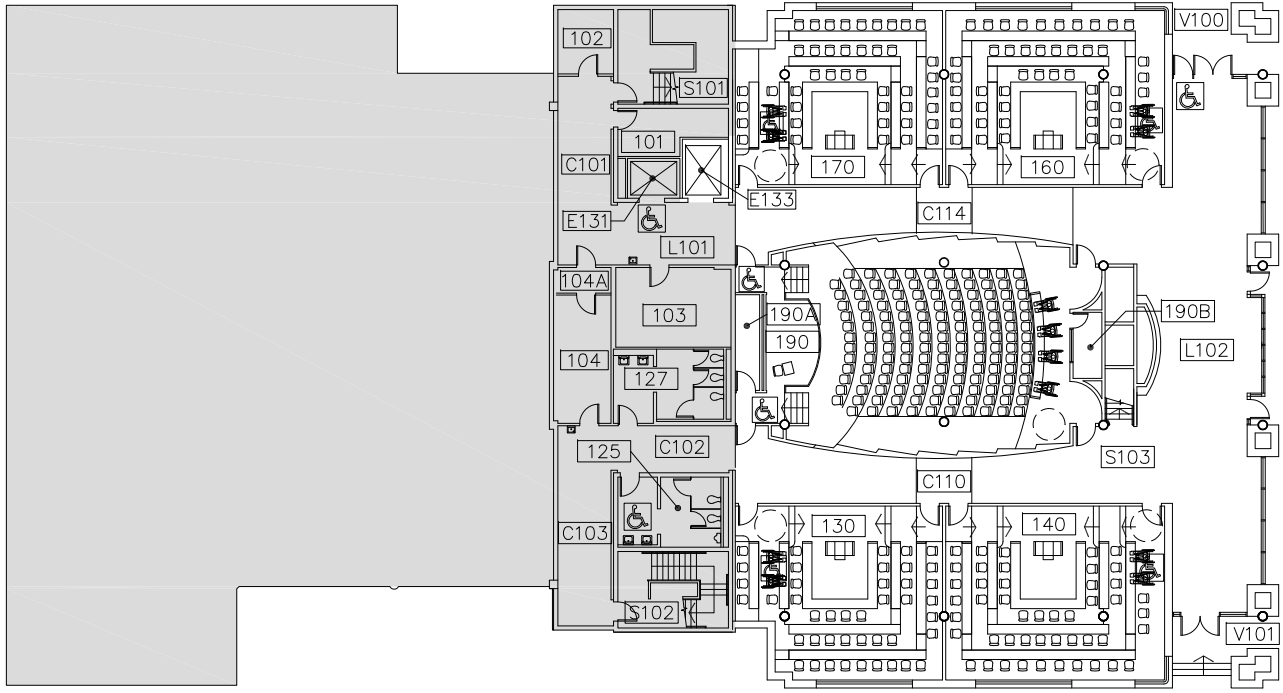
ND – Non-Detected

SAMPLE ID #	MATERIAL DESCRIPTION	SAMPLE LOCATION	MATERIAL LOCATION	ASB. % AND TYPE	APPROX. QUANTITY	CONDITION
SBA-05-PL-6	Plaster, Wall	SBA - C114	-	ND	-	-
SBA-05-PL-7	Plaster, Wall	SBA - C110	-	ND	-	-
SBA-06-SU-1	Sink Undercoating, Black	SBA - 640	-	ND	-	-
SBA-07-ST-1	Stair Tread, Black	SBA - S604	-	ND	-	-
ED-SBA-19-TSI-1	Pipe Insulation Encapsulant on Fibrous Insulated Pipe	ED/SBA - Roof, Interior of SE Fan Unit	-	ND	-	-
ED-SBA-19-TSI-2	Pipe Insulation Encapsulant on Fibrous Insulated Pipe	ED/SBA - Roof, Interior of SE Fan Unit	-	ND	-	-
ED-SBA-19-TSI-3	Pipe Insulation Encapsulant on Fibrous Insulated Pipe	ED/SBA - Roof, Interior of SE Fan Unit	-	ND	-	-
ED-SBA-18-DSC-1	Duct Seam Compound, Grey	ED/SBA - Roof	-	ND	-	-
ED-SBA-20-DSC-1	HVAC Compound, Grey	ED/SBA - Roof, Center	ED/SBA - Roof	3% Chrysotile	Partially Inaccessible Not Quantified	Good

APPENDIX B

SITE DRAWING(S)

1st Floor



ACM not shown:
Duct Seam Compound, Grey

DATE:	7-11-08
PROJECT:	School of Business Administration
LOCATION:	Portland, Oregon 97201
DRN BY:	DKR
PAGE #:	ACM - 1/8
PROJECT #:	PJ554

REVISIONS

School of Business Administration
1st Floor
ACM Locations

Report North

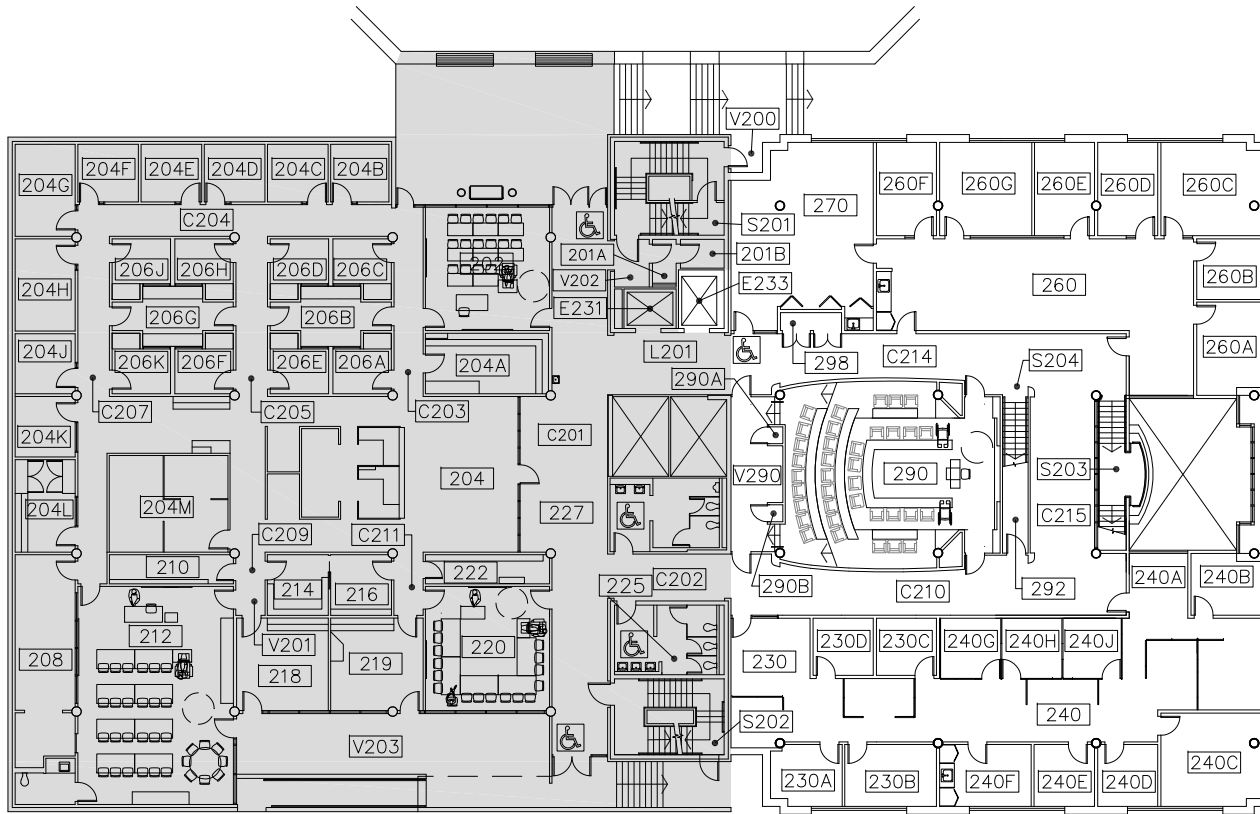


No Scale

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2nd Floor



ACM not shown:
Duct Seam Compound, Grey

⊗ 212B

DATE:	PSU
PROJECT:	School of Business Administration
LOCATION:	Portland, Oregon 97201
DRN BY:	DKR
PAGE #:	ACM - 2/8
PROJECT #:	PJ554

REVISIONS

School of Business
Administration
2nd Floor
ACM Locations

Report North

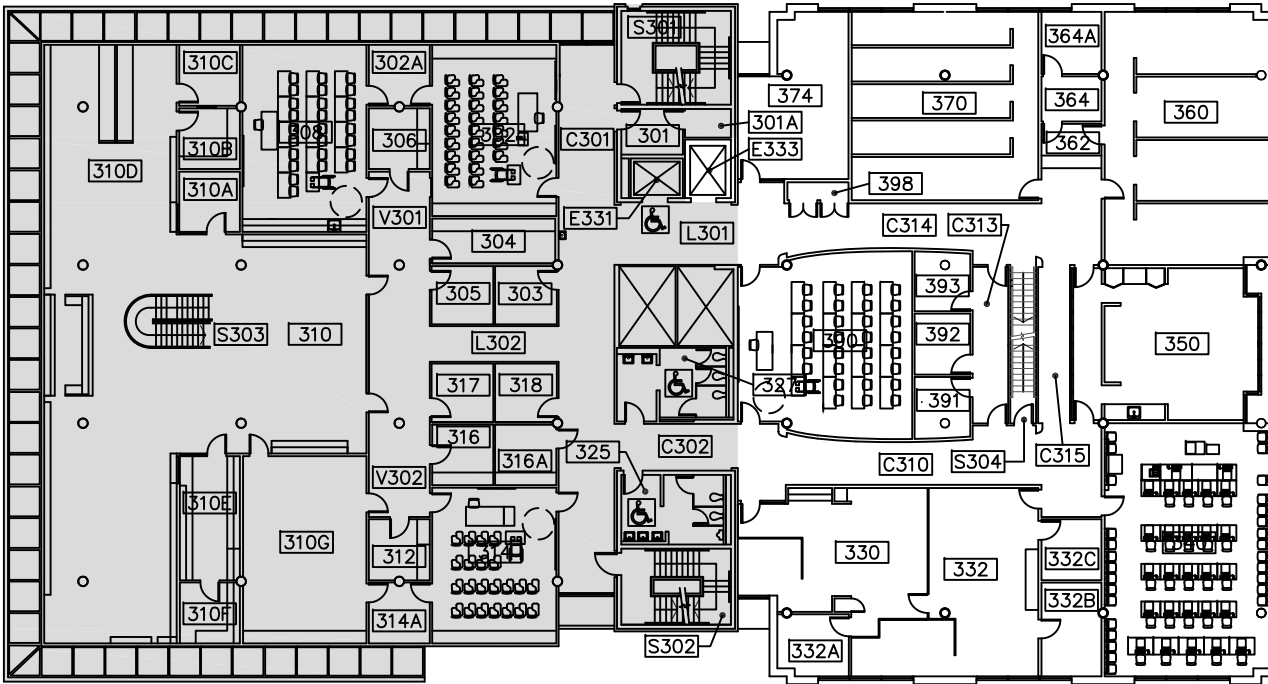


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3rd Floor



ACM not shown:
Duct Seam Compound, Grey

DATE:	7-11-08
PROJECT:	School of Business Administration
LOCATION:	Portland, Oregon 97201
PROJECT #:	PJ554
DRN BY:	DKR
PAGE #:	ACM - 318

REVISIONS

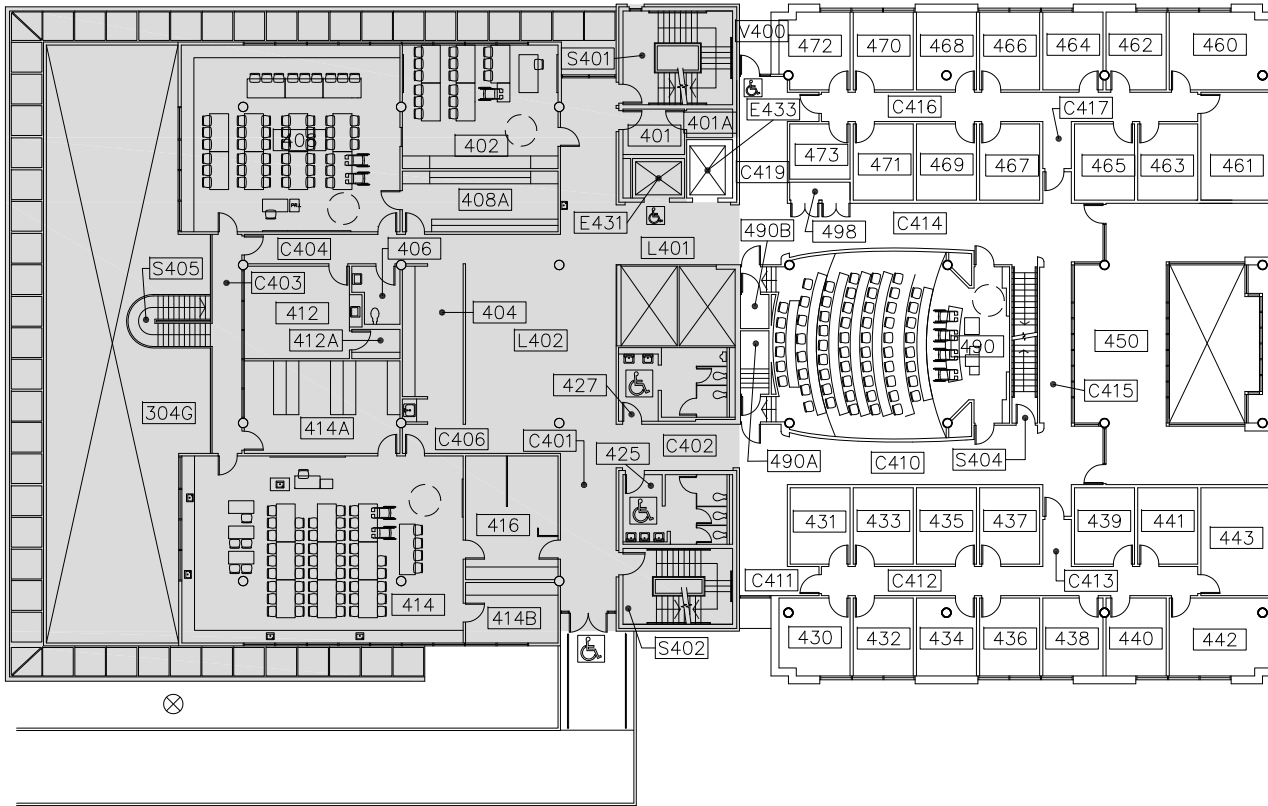
School of Business
Administration
3rd Floor
ACM Locations

Report North



No Scale

4th Floor



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Duct Seam Compound, Grey

DATE:	PSU
PROJECT:	School of Business Administration
LOCATION:	Portland, Oregon 97201
DRN BY:	DKR
PAGE #:	ACM -418
PROJECT #:	PJ554

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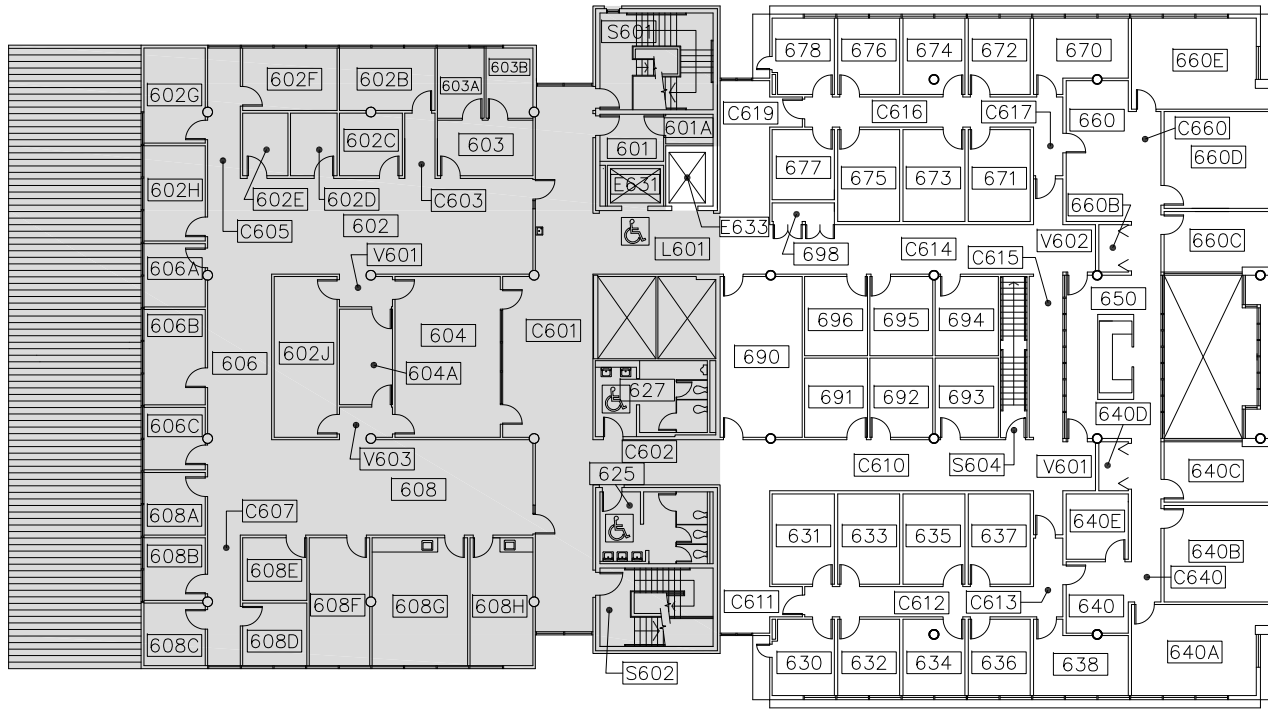
School of Business
Administration
4th Floor
ACM Locations

Report North



No Scale

6th Floor



ACM not shown:
Duct Seam Compound, Grey

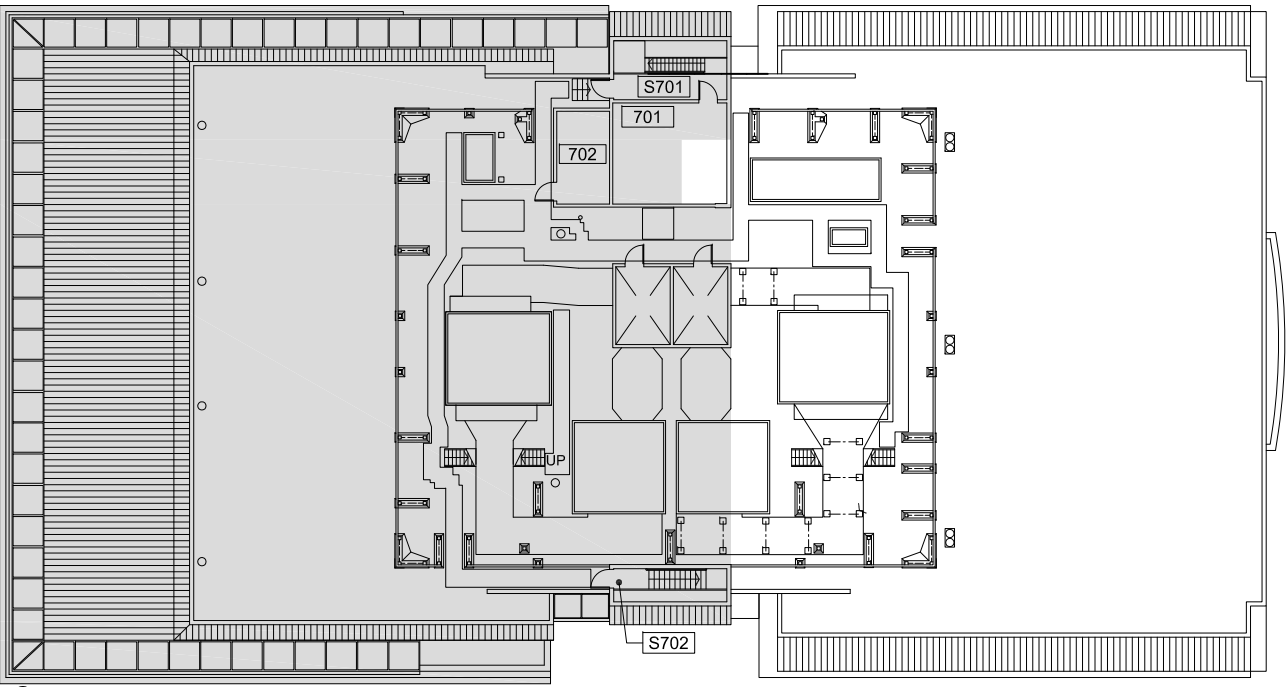
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DRN BY:	DKR
PROJECT:	PSU School of Business Administration
LOCATION:	Portland, Oregon 97201
PROJECT #:	PJ554
PAGE #:	ACM - 618

REVISIONS

School of Business Administration
6th Floor
ACM Locations



7th Floor



ACM not shown:
Duct Seam Compound, Grey

DATE:	PSU
PROJECT:	School of Business Administration
LOCATION:	Portland, Oregon 97201
PROJECT #:	PJ554
DATE:	7-11-08
DRN BY:	DKR
PAGE #:	ACM - 7/8

REVISIONS

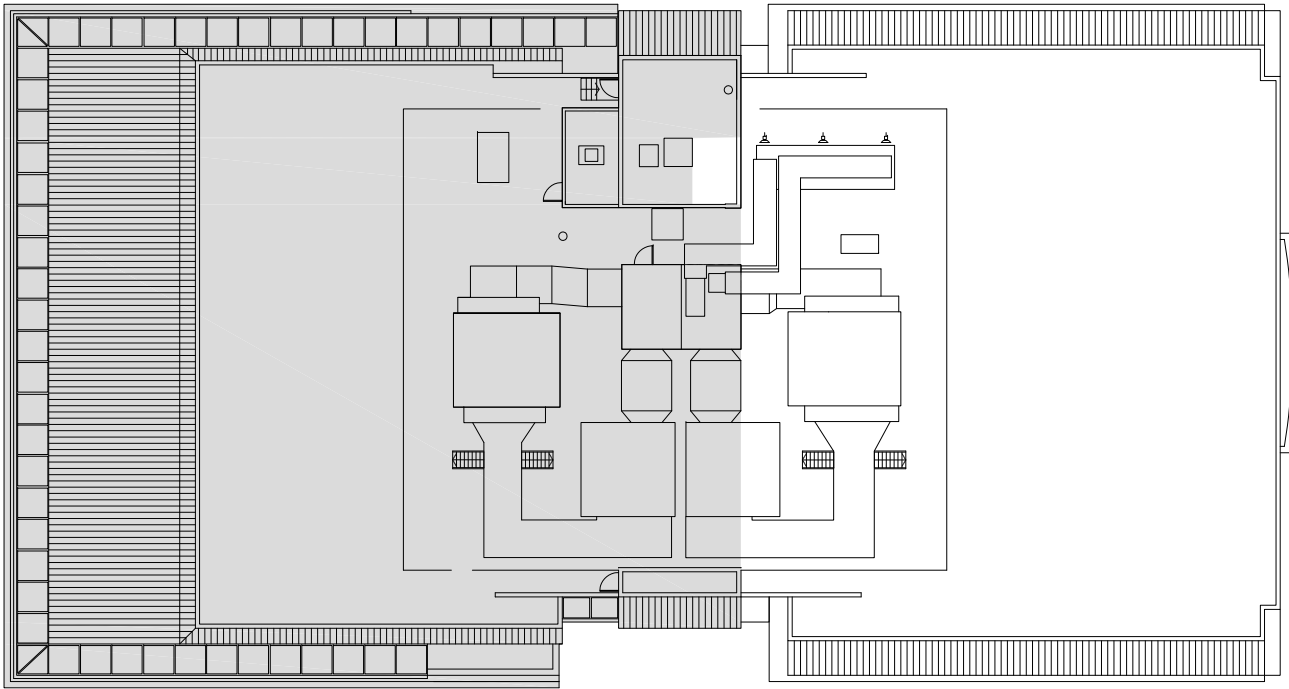
School of Business
Administration
7th Floor
ACM Locations

Report North



No Scale

Roof Plan




ACM not shown:
Duct Seam Compound, Grey

CLIENT: PSU PROJECT: School of Business Administration LOCATION: Portland, Oregon 97201	DATE: 7-11-08 DRN BY: DKR
PROJECT #: PJE554	PAGE #: ACM - 8/8

REVISIONS

School of Business
Administration
Roof
ACM Locations

Report North

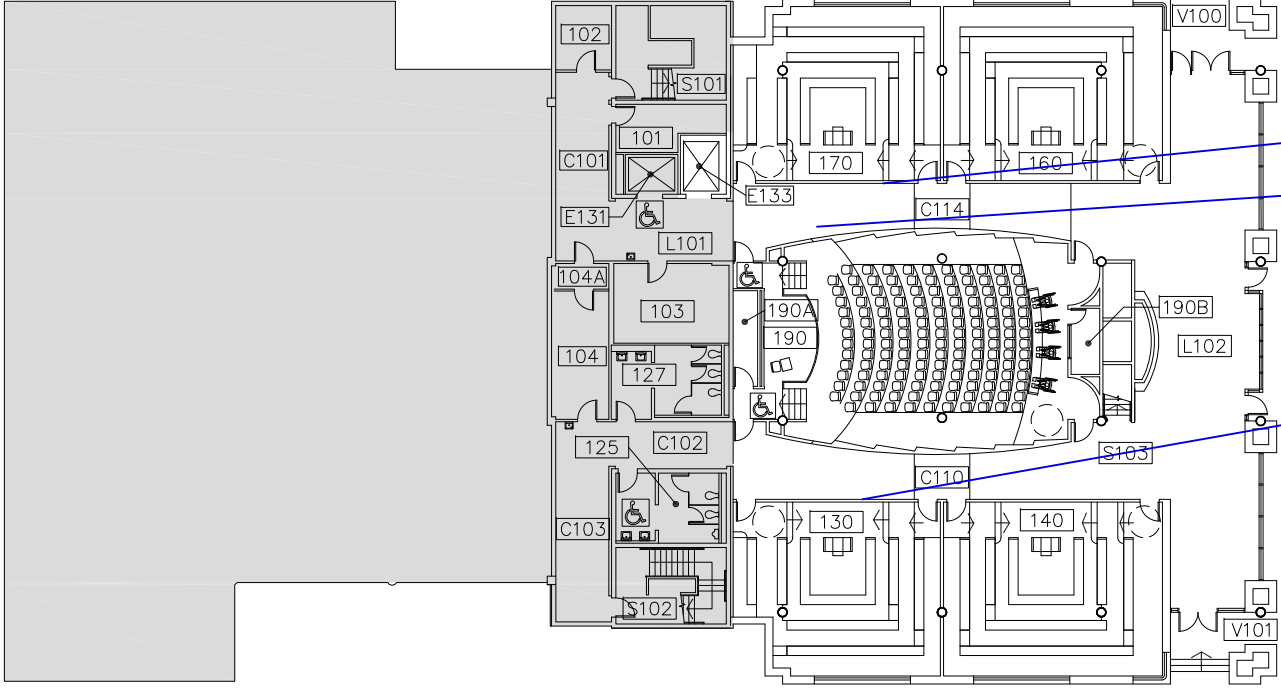


No Scale

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1st Floor



DATE:	PSU
PROJECT:	School of Business Administration
LOCATION:	Portland, Oregon 97201
DRN BY:	DKR
PAGE #:	SAM - 1/8

REVISIONS

School of Business Administration
1st Floor
Sample Locations

Report North



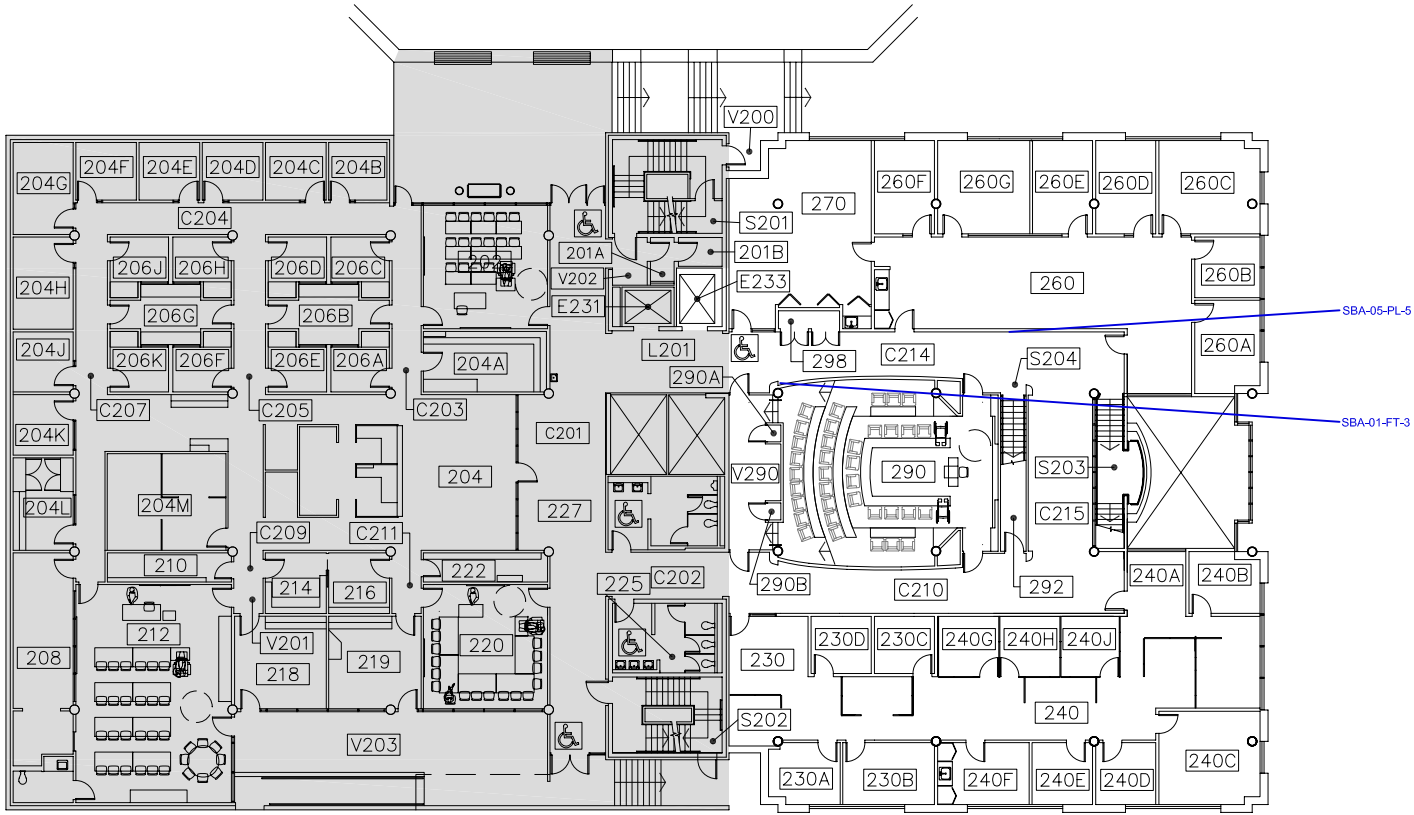
No Scale

<p>Sample ID # Key</p> <p>PSU: Predefined Practice Cycle</p> <p>Heterogeneous: Material 1</p> <p>Natural Cracks - Click for Details</p> <p>Sample: None in Bed</p> <p>None-ACM Shown in Bluer</p>	<p>AEC-05-F-1</p>
--	-------------------

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2nd Floor




⊗ 212B

DATE: 7-11-08
 DRAWN BY: DKR
 PROJECT #: P-1554
 PROJECT NAME: School of Business Administration
 LOCATION: Portland, Oregon 97201

REVISIONS

School of Business Administration
 2nd Floor
 Sample Locations

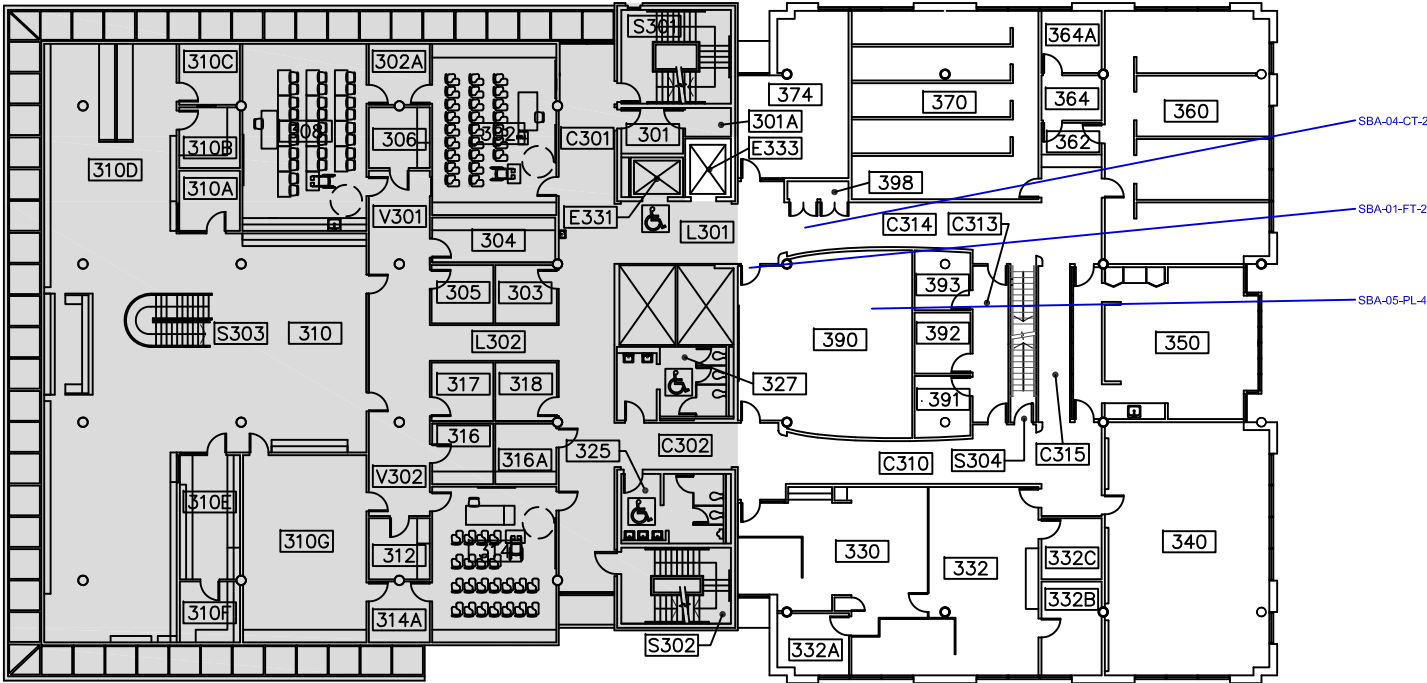
Report North

 No Scale

Sample ID # Key
 PSU (Included) Material Code
 Interference Material #
 Material Code - Click for Details
 aec00-F1
 Sample shown in Red
 N/A/CM shown in Blue

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3rd Floor



DATE:	PSU
PROJECT:	School of Business Administration
LOCATION:	Portland, Oregon 97201
DRN BY:	DKR
PAGE #:	SAM - 3/8
PROJECT #:	PJ554

REVISIONS

School of Business Administration
3rd Floor
Sample Locations

Report North



No Scale

Sample ID # Key

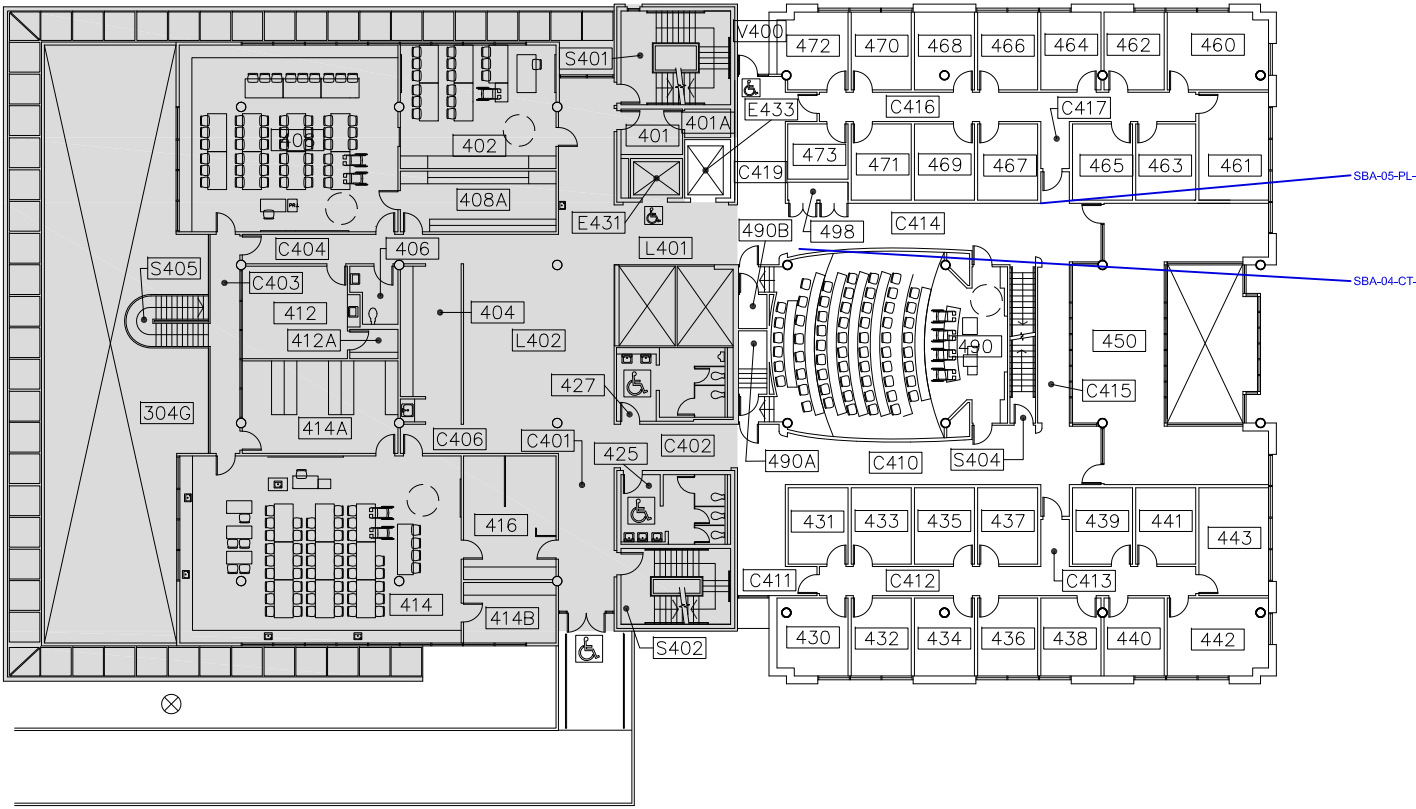
PSU Provided Printfile Code: **aec00-F1-1**

Autogenetic Material #

Sample Reference in Bed

None-ACM Shown in Blue

4th Floor




DATE:	PSU
PROJECT:	School of Business Administration
LOCATION:	Portland, Oregon 97201
DRN BY:	DKR
PAGE #:	SAM -4/8
PROJECT #:	PJ554

REVISIONS

School of Business Administration
4th Floor
Sample Locations

Report North



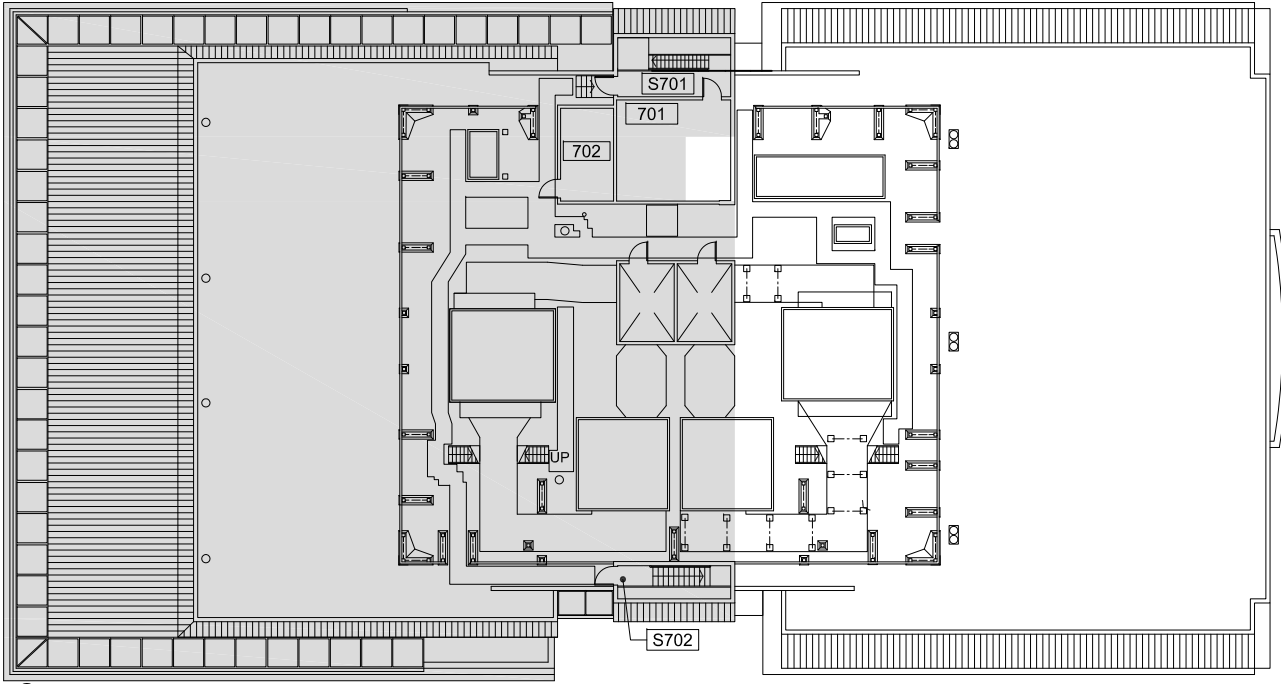
No Scale

<p>Sample ID # Key</p> <p>PSU: President's Office A: Administrative C: Classroom E: Elevator L: Lobby S: Stairwell V: Vestibule</p>	<p>None-ACM Shown in Blue</p>
--	-------------------------------

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7th Floor



No Samples were Collected in this Area.

DATE: 7-11-08
DRN BY: DKR
PROJECT: PSU School of Business Administration Portland, Oregon 97201
LOCATION: Portland, Oregon 97201
PROJECT #: PJ5554
PAGE #: SAM - 7/8

REVISIONS

School of Business
Administration
7th Floor
Sample Locations

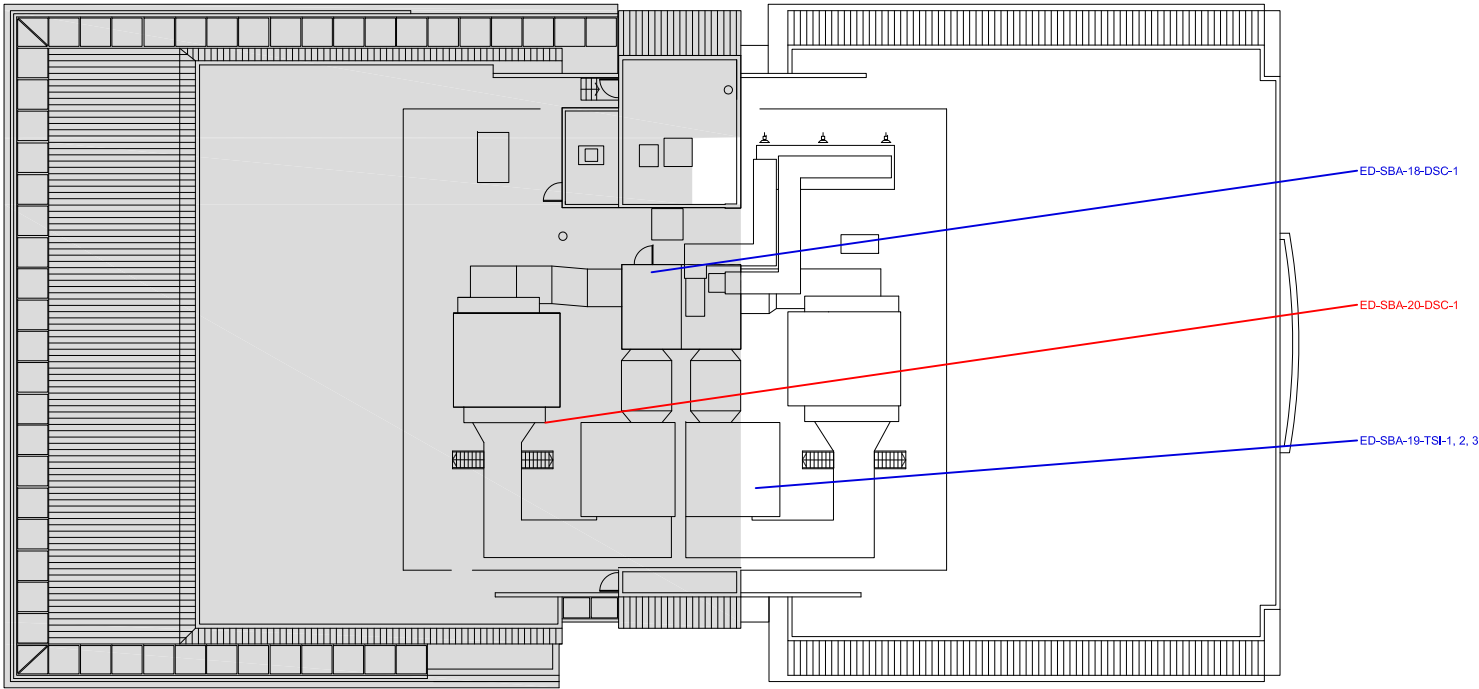
Report North

No Scale

<p>Sample ID # Key</p> <p>PSU Prescribed Practices Cycle Heterogeneous Material 4 Natural Cracks - Click for Detail: ABC0-F-1 Sample Areas in Red None-ACM Shown in Blue</p>
--

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Roof Plan



ED-SBA-18-DSC-1

ED-SBA-20-DSC-1

ED-SBA-19-TSI-1, 2, 3

DATE: 7-11-08	CLIENT: PSU School of Business Administration
DRN BY: DKR	PROJECT: School of Business Administration
PAGE #: SAM - 8/8	LOCATION: Portland, Oregon 97201
	PROJECT #: PJE554

REVISIONS

School of Business Administration
Roof
Sample Locations

Report North

No Scale

Sample ID # Key

PSU: President's Office
 H: Heterogeneous Material
 A: Asbestos
 T: Trace
 S: Sample
 I: In Bed
 N: None-ACM Shown in Biller

ABC-08-F-1

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* - This sample is part of a set in which one of the samples tested positive for asbestos.
 ** - This sample contained a trace amount of asbestos.

APPENDIX C

**LABORATORY ANALYSIS REPORTS
AND CHAIN OF CUSTODY RECORDS**



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Forensic Analytical Consulting Svcs
Noal Kraft
17400 SW Upper Boones Ferry Rd
Suite 245
Durham, OR 97224

Client ID: PE21
Report Number: B113992
Date Received: 06/17/08
Date Analyzed: 06/20/08
Date Printed: 06/20/08
First Reported: 06/20/08

Job ID/Site: PJ5554; Kate Vance School of Business Administration (SBA) 6 Floors 631 SW
Harrison St Portland OR 97201

FASI Job ID: PE21
Total Samples Submitted: 17
Total Samples Analyzed: 17

Date(s) Collected:

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
SBA-01-FT-1	10767317						
Layer: Tan Tile			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-01-FT-2	10767318						
Layer: Tan Tile			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-01-FT-3	10767319						
Layer: Tan Tile			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-04-CT-1	10767320						
Layer: Beige Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							
SBA-04-CT-2	10767321						
Layer: Beige Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							
SBA-04-CT-3	10767322						
Layer: Beige Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							

Client Name: Forensic Analytical Consulting Svcs

Report Number: B113992

Date Printed: 06/20/08

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
SBA-03-CB-1	10767323						
Layer: Off-White Non-Fibrous Material			ND				
Layer: Off-White Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-02-CM-1	10767324						
Layer: Orange Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Synthetic (Trace)							
SBA-05-PL-1	10767325						
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-05-PL-2	10767326						
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-05-PL-3	10767327						
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-05-PL-4	10767328						
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-05-PL-5	10767329						
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-05-PL-6	10767330						
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: Forensic Analytical Consulting Svcs

Report Number: B113992

Date Printed: 06/20/08

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
SBA-05-PL-7	10767331						
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-06-SU-1	10767332						
Layer: Black Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
SBA-07-ST-1	10767333						
Layer: Grey Non-Fibrous Material			ND				
Layer: Black Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							



James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Forensic Analytical Consulting Svcs
 Noal Kraft
 17400 SW Upper Boones Ferry Rd
 Suite 245
 Durham, OR 97224

Client ID: PE21
Report Number: B113987
Date Received: 06/17/08
Date Analyzed: 06/20/08
Date Printed: 06/20/08
First Reported: 06/20/08

Job ID/Site: PJ5552; Kate Vance PSU - School of Education (Graduate) (ED) 615 SW Harrison St. 6 Floors Portland OR 97201

FASI Job ID: PE21
Total Samples Submitted: 5
Total Samples Analyzed: 5

Date(s) Collected:

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
ED-SBA-19-TSI-1	10767169						
Layer: Yellow Fibrous Material			ND				
Layer: White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (60 %)						
ED-SBA-19-TSI-2	10767170						
Layer: Beige Tape			ND				
Layer: Yellow Fibrous Material			ND				
Layer: White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %)	Fibrous Glass (60 %)						
ED-SBA-19-TSI-3	10767171						
Layer: Yellow Fibrous Material			ND				
Layer: White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (60 %)						
ED-SBA-18-DSC-1	10767172						
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
ED-SBA-20-DSC-1	10767173						
Layer: Grey Non-Fibrous Material		Chrysotile	3 %				
Total Composite Values of Fibrous Components:		Asbestos (3%)					
Cellulose (Trace)	Synthetic (10 %)						

Client Name: Forensic Analytical Consulting Svcs

Report Number: B113987

Date Printed: 06/20/08

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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James Flores, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

Analytical results and reports are generated by Forensic Analytical at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by Forensic Analytical to any third party without prior written request from client. This report applies only to the sample(s) tested. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by Forensic Analytical. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. Forensic Analytical is not able to assess the degree of hazard resulting from materials analyzed. Forensic Analytical reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified. All samples were received in acceptable condition unless otherwise noted.





Client: PE21 FACS Portland Portland State University	Sampled by: DKR	PM: Noal Kraft	Date: 5-8-08				
Contact: Noal Kraft Phone: (503) 595-1001	Special Instructions: E-mail results to NKraft@forensica.com and rtracy@forensica.com						
Site: PJ5554 Kate Vance School of Business Administration (SBA)	Turnaround Time:	1-Day	2-Day	3-Day	5-Day	Other	Due Date & Time:
Client No.: C6007 FACS Job#: PJ5554	Analysis: PLM Standard / Point Count / Flame AA (Pb) / Other:						

Sample Number	Material Description	Sample Location	Friable	Cond.	Quantity
SBA-04-CT-1	CT, 2x6, G/P, 2x2 pattern	SBA - 6500 C414			
↓ 2	↓	C314			
↓ 3	↓	C114			

WB - Wallboard IC - Joint Compound FT - Floor Tile FTM - Floor Tile Mastic BBM - Baseboard Mastic
 RSF - Resilient Sheet Flooring CT - Coating Tile SAAM - Spray-Applied Acoustical Material WT - Wall Texture

Shipped via: Fed Ex Airborne UPS US Mail Courier XXX Drop Off Other:

Relinquished by: 
 Date & Time: 6-16-08

Received by: 
 Date & Time: 6/17/08 10:20 AM
 Condition Acceptable Yes No





Client: PE21 FACS Portland Portland State University	Sampled by: DKR	PM: Noal Kraft	Date: 5-8-08				
Contact: Noal Kraft Phone: (503) 595-1001	Special Instructions: E-mail results to NKraft@forensica.com and rtracy@forensica.com						
Site: PJ5554 Kate Vance School of Business Administration (SBA)	Turnaround Time:	1-Day	2-Day	3-Day <input checked="" type="checkbox"/>	5-Day	Other	Due Date & Time:
Client No.: C6007 FACS Job#: PJ5554	Analysis: <u>PLM Standard</u> / Point Count / Flame AA (Pb) / Other:						

Sample Number	Material Description	Sample Location	Friable	Cond.	Quantity
SBA-05-PL-1	Plaster, wall	C614			
-2	, wall	C514			
-3		C414			
-4		390			
-5		C214			
-6		C114			
-7		C110			

WB - Wallboard JC - Joint Compound FT - Floor Tile FTM - Floor Tile Mastic BBM - Baseboard Mastic
 RSF - Resilient Sheet Flooring CT - Ceiling Tile SAAM - Spray-Applied Acoustical Material WT - Wall Texture

Shipped via: Fed Ex Airborne UPS US Mail Courier XXX Drop Off Other:

Relinquished by: 	Received by: 
Date & Time: 6-16-08	Date & Time: 6/17/08
	Condition Acceptable <input checked="" type="checkbox"/> No <input type="checkbox"/>



Client: PE21 FACS Portland Portland State University		Sampled by: DKR		PM: Noal Kraft Date: 5-7-08	
Contact: Noal Kraft Phone: (503) 595-1001		Special Instructions: E-mail results to NKraft@forensica.com and rtracy@forensica.com			
Site: PJ5552 Kate Vance PSU - School of Education (Graduate) (ED)		Turnaround Time: 1-Day 2-Day 3-Day 5-Day Other Due Date & Time: <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>			
Client No.: C6013:6008 FACS Job#: PJ5552		Analysis: <u>PLM Standard</u> / Point Count / Flame AA (Pb) / Other: Analyze bracketed sets to 1st positive			

Sample Number	Material Description	Sample Location	Friable	Cond.	Quantity
ED/SBA-19-TSE-1	Pipe ins. encap on fib. ins. pipe	ED/SBA - Roof - interior of SE fan unit			
↓ 2	↓	↓			
↓ 3	↓	↓			
18-DSC-1	Duct seam compound, grey	Roof			
20-DSC-1	NVAC compound, grey	Roof - center			

WB - Wallboard JC - Joint Compound FT - Floor Tile FTM - Floor Tile Mastic BBM - Backboard Mastic
 RSF - Resilient Sheet Flooring CT - Ceiling Tile SAAM - Spray-Applied Acoustical Material WT - Wall Texture

Shipped via: Fed Ex Airborne UPS US Mail Courier XXX Drop Off Other

Friable Yes / No Good / Fair / Poor

Relinquished by:	Received by:
Date & Time: 6-16-08	Date & Time: 6/17/08 1030ZF
Condition Acceptable <input checked="" type="checkbox"/> No <input type="checkbox"/>	

APPENDIX D

GLOSSARY OF TERMS

GLOSSARY OF TERMS

ACM - Asbestos-containing material: Any material containing more than one percent asbestos. This includes suspect and/or presumed ACM.

AHERA: Asbestos Hazard Emergency Response Act of 1986.

AHERA Building Inspector: A person who has successfully completed the training requirements for a building inspector established by EPA Asbestos Model Accreditation Plan; Interim Final Rule (40 CFR Part 763, Appendix C to Subpart E, I.B.3) and whose certification is current.

AHERA Project Designer: A person who has successfully completed the training requirements for an asbestos abatement project designer established by EPA regulations (40 CFR 763.90(g)) and whose certification is current.

Asbestos: Chrysotile, amosite, crocidolite, tremolite, anthophyllite, actinolite and any of these minerals that have been chemically treated and/or altered.

Asbestos Building Inspection: A written report describing an inspection using the procedures contained in EPA regulations (40 CFR 763,86) to determine whether materials or structures to be worked on, renovated, removed, or demolished (including materials on the outside of structures) contain asbestos.

Authorized Person: Any person authorized by the employer and required by work duties to be present in regulated areas.

Chain of Custody Record: Legal documentation that follows samples from collection to the laboratory indicating who has been in possession of the samples.

Competent Person: A person capable of identifying asbestos hazards, selecting appropriate control strategies and having the authority to take prompt corrective measures. Additionally, for Class I and Class II work, one who is specially trained in a training course meeting the criteria of EPA's Model Accreditation Plan (40 CFR 763) for project designer or supervisor, or its equivalent and, for Class II work, who is trained in an operations and Maintenance O & M Course developed by EPA (40 CFR 76392 (a) (2)).

Contractor: The asbestos abatement contractor.

EPA: United States Environmental Protection Agency

Friable: Asbestos-containing material that can be crumbled, pulverized or reduced to powder when dry, by hand pressure.

HEPA - High-Efficiency Particulate Air (Filter): A filter capable of trapping and retaining at least 99.97 percent of all mono-dispersed particles of 0.3 micrometers in diameter.

Intact: ACM that has not crumbled, been pulverized, or otherwise deteriorated so that its no longer likely to be bound within its matrix.

LF: Linear feet

NESHAPs: National Emission Standard for Hazardous Air Pollutants, 40 CFR part 61.

NVLAP: National Voluntary Laboratory Accreditation Program

OSHA: United States Department of Labor - Occupational Safety and Health Administration.

Owner: The legal entity, including a lessee, which exercises control over management and record keeping functions relating to a building and/or facility in which the abatement activities described in this document take place.

Owners Representative: A person authorized by the Owner to act on the Owners behalf.

PLM: Polarized Light Microscopy

PACM - Presumed Asbestos Containing Material: Thermal system insulation and surfacing material found in buildings constructed no later than 1980. The designation of a material as PACM may be rebutted through PLM analysis of samples obtained by certified inspectors.

Removal: All operations where ACM and/or PACM is taken out or stripped from structures or substrate, and includes demolition operations.

Sq. Ft.: Square feet

Surfacing Material: Material that is sprayed, troweled-on or otherwise applied to surfaces.

Suspect ACBM: Material that is suspected of containing asbestos that has not been sampled and analyzed for asbestos content.

TSI - Thermal System Insulation: ACM applied to pipes, fittings, boilers, breaching, tanks, ducts or other structural components to prevent heat loss or gain.

APPENDIX E

ACCREDITATION

Certificate of Completion

This is to certify that

Dan K. Rouse

has satisfactorily completed
4 hours of refresher training as an
Asbestos Building Inspector

to comply with the training requirements of
TSCA Title II / 40 CFR 763 (AHERA)

Certificate Number: 1029792



Instructor

EPA Provider Cert. Number: 1085



Jun 18, 2008

Date(s) of Training

Exam Score: NA

Expiration Date: Jun 18, 2009

Argus Pacific, Inc. • 1900 W. Nickerson, Suite 315 • Seattle, Washington • 98119 • (206) 285.3373 • fax (206) 285.3927

Certificate of Completion

This is to certify that

Noal C. Kraft

has satisfactorily completed
4 hours of refresher training as an
Asbestos Building Inspector

to comply with the training requirements of
TSCA Title III / 40 CFR 763 (AHERA)

Certificate Number: 10267132


Instructor

EPA Provider Cert. Number: 1085



Jul 18, 2007

Date(s) of Training

Exam Score: NA

Expiration Date: Jul 17, 2008

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Certificate of Completion

This is to certify that

Robin Sharpe

has attended and successfully completed the requisite training for
accreditation under TSCA Title II, Part 763, Subpart E, Appendix C of 40 CFR
EPA AHERA (Asbestos Hazard Emergency Response Act),
and ASHARA Model Accreditation Program requirements for
AHERA INSPECTOR REFRESHER

as presented by
Bureau Veritas North America, Inc.

Allen George

Allen George
INSTRUCTOR

Course Date: 04/29/08
Certification # 08-1061
Certificate Expiration Date: 04/29/09



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