



EnvironMETeo Services, Inc.
Environmental / Industrial Health & Safety

Limited Asbestos and Lead Paint Survey Report

For:

Ferraro Choi

1240 Ala Moana Boulevard, Suite 510

Honolulu, Hawaii 96814

Facility Surveyed:

Roofs of Buildings 46, 1784, 1785 and 1788

Hawaii Air National Guard

91 Enterprise Street

Kapolei, Hawaii 96707

Project:

State of Hawaii - Department of Defense - Roof Repair/Replacement

Client Job No. CA-1419-D

Conducted by:

EnvironMETeo Services, Inc. (EMET)

94-520 Ukee Street, Suite A

Waipahu, Hawaii 96797

Date of Report: February 17, 2015

EMET ID:1408311

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Certification of Report

We certify that this report is based on physical survey of EMET scope of work areas at the roofs Buildings 46, 1784, 1785 and 1788 of Hawaii Air National Guard, located at 91 Enterprise Street, Kapolei, Hawaii. The survey included an inspection for asbestos-containing materials (ACM) and lead-painted surfaces/building components.

The survey was conducted by EnvironMETeo Services, Inc. (EMET) on January 15 and 19, and February 13, 2015 and was limited to the following scope of work:

Asbestos/Lead Paint investigation

1. Inspection, evaluation and sample collection of suspect asbestos-containing materials by EPA-accredited inspectors(s) in accordance with H.A.R. 11-501 from the following:

Building 46

- Interior: No work
- Exterior: All roof levels (including equipment located on the roof). "Eyebrows" not included in work scope.

Building 1784

- Interior: No work
- Exterior: All roof levels (including equipment located on the roof). "Eyebrows" not included in work scope.

Building 1785

- Interior: No work
- Exterior: All roof levels (including mechanical equipment on the roof).

Building 1788

- Interior: No work
- Exterior: All roof levels (including mechanical equipment on the roof).

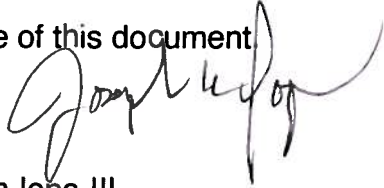
2. Lead paint inspection by EPA-accredited inspectors(s) from the areas indicated in item 1.

The survey results are based on analyses of samples of suspect materials collected from visually and physically accessible areas/materials.

Bulk samples of suspect asbestos-containing materials taken during the survey were analyzed for asbestos content by a National Institute of Standards and Technology (NIST)-accredited laboratory under the National Voluntary Laboratory Accreditation Program (NVLAP) for asbestos fiber analysis. Laboratory analyses performed by Polarized Light Microscopy (PLM) for asbestos identification are in accordance with U.S. Environmental Protection Agency (EPA) Test Method 600/R-93/116.

Painted surfaces were tested for lead concentrations using an X-Ray Fluorescence (XRF) spectrum analyzer, a testing methodology approved by the EPA and the U.S. Department of Housing and Urban Development (HUD).

EMET makes no warranty and assumes no liability for the inappropriate use or misuse of this document.



Joseph Iopa III

Asbestos Building Inspector

Hawaii State Certification # HIASB-0585

Lead Based Paint Risk Assessor

Hawaii Lead Certificate # PB-0668

Summary

EnvironMETeo Services, Inc. (EMET) conducted a survey for asbestos-containing materials (ACM) and lead-painted surfaces/building components at EMET scope of work areas at the roofs of Buildings 46, 1784, 1785 and 1788 located at 91 Enterprise Street, Kapolei, Hawaii on January 15 and 19, and February 13, 2015. The survey was conducted by Joseph Iopa III and Arnaldo Estrada of EMET in accordance with Hawaii Administrative Rules (H.A.R) 11-501 and EMET's scope of work.

The survey was requested and authorized by Troy M. Miyasato of Ferraro Choi and performed in preparation for planned renovations.

The following suspect materials were identified as ACM during this survey:

Building 46, Main/High Roof Asbestos-containing Materials

black patch/sealant	gray/black patch/sealant at ducts
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Building 46, Lower Roof Asbestos-containing Materials

gray patch/sealant	
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Building 46, Middle Roof Asbestos-containing Materials

gray patch/sealant	
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No lead-based paint was found. Lead-containing paint was detected on each painted surface tested.

Asbestos-Containing Material

The State of Hawaii and EPA define ACM as any material containing more than one percent (>1%) asbestos by area. This definition can be found in the following regulations:

- HAR, title 11, Department of Health, Chapter 501 (11-501), Asbestos Requirements
- HAR, title 12, Department of Labor and Industrial Relations, Subtitle 8, Hawaii Occupational Safety and Health Division (HIOSH), Part 3, Construction Standards, Chapter 145.1 (12-145.1), Asbestos)
- EPA 40 CFR Part 61, Subpart M - National Emission Standards for Hazardous Air Pollutants (NESHAP), revised July 1, 1990, Asbestos NESHAP Revision Final Rule.

Asbestos Bulk Sampling

A total of 123 samples of suspect ACM were collected and analyzed. The samples were placed in plastic containers with a unique identification number assigned to each sample and entered on a field data sheet. The sample locations were indicated on the field drawings shown in Appendix B.

Samples were collected of the following observed suspect asbestos-containing material:

Building 46, Main/High Roof Suspect ACM Visually Observed

gray mineral capsheet built-up roof system	white weather membrane roof coating material
gray patch/sealant	silver wrap w/yellow insulation duct insulation
black patch/sealant	gray/black patch/sealant at ducts

Building 46, Lower Roof Suspect ACM Visually Observed

pitch & gravel built-up roof system	gray patch/sealant
gray caulking	6" O.D. silver wrap w/ white insulation TSI

Building 46, Middle Roof Suspect ACM Visually Observed

pitch & gravel built-up roof system	gray patch/sealant
gray/black patch/sealant	silver wrap w/yellow insulation duct insulation
gray caulking	

Building 1784, Roof Suspect ACM Visually Observed

black weather membrane built up roof system	white weather membrane roof coating
black caulking	

Building 1785, Roof Suspect ACM Visually Observed

white weather membrane built up roof system	gray caulking
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Building 1788, Roof Suspect ACM Visually Observed

gray mineral capsheet built-up roof system	gray/black patch/sealant
gray patch/sealant	black caulking

Asbestos Analyses

Bulk samples were analyzed for asbestos using Polarized Light Microscopy (PLM) for the identification of asbestos, in accordance with EPA Test Method 600/R-93/116. Laboratory analytical data sheets are provided in Appendix A.

The following building materials were found to be ACM:

Building 46, Main/High Roof Asbestos-containing Materials

Material Description	Quantity	Material Location	Condition; Friable/Non-Friable
black patch/sealant	± 70 sq ft	at metal base where duct penetrates roof	no damage; non friable
gray/black patch/sealant	± 2000 sq ft	used as patch all over ducts	no damage; non friable

Building 46, Lower Roof Asbestos-containing Materials

Material Description	Quantity	Material Location	Condition; Friable/Non-Friable
gray patch/sealant	± 4 sq ft	at base of stack	no damage; non friable

Building 46, Middle Roof Asbestos-containing Materials

Material Description	Quantity	Material Location	Condition; Friable/Non-Friable
gray patch/sealant	± 4 sq ft	at pitch pockets	no damage; non friable

Lead Paint

HUD regulations, 24 CFR Parts 35, 200, 881, and 886 guidelines for the evaluation and control of lead-based paint (LBP) hazards in housing, revised April 1, 1999, define LBP as paint with a lead content of 1.0 mg/cm² or greater by XRF analyzer, or 0.5% wt. or 5000 ppm by Atomic Absorption (AA) analysis. The EPA regulations 40 CFR Part 745, revised July 1, 1999, similarly defined LBP as stated in HUD regulations.

However, the Occupational Safety and Health Administration (OSHA) and HIOSH regulate any activity disturbing paint that contains lead (referred to as lead-containing paint or LCP), even if the lead content is below the EPA/HUD standard for lead-based paint.

XRF test results of painted surfaces equal to or greater than 1.0 mg/cm² are defined as LBP in accordance with EPA and HUD regulations.

Lead Paint Sampling and Analyses

Painted surfaces were analyzed for lead using an XRF analyzer. A total of 16 analyses of painted surfaces/building components and calibrations were performed. A unique identification number was assigned to each test location and

entered on a field data sheet and a field drawing. The ID number, location, description, and lead concentration of each sample are indicated in the XRF Analyzer Test Results, which are provided in Appendix C.

The test results indicate that none of the sampled painted surfaces/building components contained a lead content equal to or greater than 1.0 mg/cm². However, the sampled painted surfaces/components showed a lead content of less than 1.0 mg/cm² and are considered to be lead-containing paint (LCP).

Painted surfaces may vary in paint type, color and condition, and any damaged painted surfaces may vary significantly from area in terms of the condition and degree of damage. The results provide the lead content of all paint layers in a tested surface, as there may be more than one layer of paint on the tested surface.

Limitations

This hazardous materials survey was performed to identify suspect materials in areas scheduled for planned renovations. Original building plans and specifications and those for past renovations, if any, were not available for review. Therefore, because of these limitations, the highly variable nature of building construction, and the limits to the survey as defined by EMET's scope of work, the potential remains for undiscovered hazardous materials.

This report is not a specification and should not be used as such.

Appendix A

Asbestos Survey Report

Building Information Sheet

Job Code /EMET ID	Client Name	Inspection date
1408311	Ferraro Choi	1/15/2015
Building Number	Bldg Name	No. of Floors Surveyed
46	building 46	0
	Location	No. of Other Levels Surveyed
	91 Enterprise Street Kapolei, HI 96707	3

Building Construction Type	Building Use	% Floor Space	ACBM PRESENT? <div style="border: 1px solid black; padding: 5px; margin: 5px 0;">YES</div> YES = PRESENT NO = NOT PRESENT ASM = ASSUMED
Structural Concrete with: Metal Decks, Flat Slab, Beam/Joist or Waffle Slabs; Structural Tees Steel Frame Wood Frame Load Bearing Masonry	Use #1 offices	100	
	Use #2		
	Use #3		
	Academic Classes, Administration Offices, Food Services, Dormitory, Mechanical Spaces, Gymnasium, Laboratory, Library, Residential or Other (Specify)		

Inspector Identification	Specific areas surveyed
Name: Joseph Iopa III State of HI Certification No. HIASB-0585 State of HI Certification Expiration Date: 4/25/2015 Building Inspector Certification Exp. Date: 2/28/2015	roofs

Inspector Comments

EMET's scope of work was limited to the areas listed above in Specific Areas Surveyed. This report is not a specification for the removal of asbestos-containing material and should not be used as such. Results of the presence or absence of asbestos are based on the survey and on analyses of the suspect materials encountered. Original building plans and specifications were not available for review. Therefore, because of these limitations and the highly variable nature of building construction, the potential remains for undiscovered ACM. EMET makes no warranty and assumes no liability for the inappropriate use or misuse of this document.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	46	Building Location	1408311
	building 46	91 Enterprise Street	
For the ACM - Space Identified as:	311-46-R	Kapolei, HI 96707	Inspection Date: 1/15/2015

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present		Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC		
311-46-RA(L1)	gray mineral capsheet built-up roof system		YES	NO ACM					
311-46-RA(L2)	gray mineral capsheet built-up roof system		YES	NO ACM					
311-46-RA(L3)	gray mineral capsheet built-up roof system		YES	NO ACM					
311-46-RB	white weather membrane roof coating material		YES	NO ACM					
311-46-RC	gray patch/sealant		YES	NO ACM					
311-46-RD(L1)	silver wrap w/yellow insulation duct insulation		YES	NO ACM					

*** Refers to Material Type and Damage Conditions**

T = Material Type:
 S = Surfacing
 M = Miscellaneous
 T = Thermal Systems
DC = Damage Condition:
 ND = No Damage
 D = Damaged
 SD = Significant Damage
PD = Potential Damage Condition:
 NPD = No Potential Damage
 PD = ACBM w/ Potential Damage
 PSD = Potential Significant Damage

**** Recommended Response Action:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP, or reduce potential for disturbance.
 - 3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	46 building 46	Building Location	91 Enterprise Street Kapolei, HI 96707
For the ACM - Space Identified as:	311-46-R	EMET ID	1408311
		Inspection Date:	1/15/2015

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present		Material Type*			Response Action	Estimated Cost to Remove		
			Suspected	Confirmed	Friable	T	DC			PD	
311-46-RD(L2)	silver wrap w/yellow insulation duct insulation		YES	NO ACM							
311-46-RE	black patch/sealant		YES	ACM	NO		M	ND	PD	8	\$700
311-46-RF	gray/black patch/sealant		YES	ACM	NO		M	ND	PD	8	\$20000

*** Refers to Material Type and Damage Conditions**

T = Material Type:
 S = Surfacing
 M = Miscellaneous
 T = Thermal Systems
DC = Damage Condition:
 ND = No Damage
 D = Damaged
 SD = Significant Damage
PD = Potential Damage Condition:
 NPD = No Potential Damage
 PD = ACBM w/ Potential Damage
 PSD = Potential Significant Damage

**** Recommended Response Action:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP, or reduce potential for disturbance.
 - 3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-RA(L1) gray mineral capsheet built-up roof system	
	Drawing/Sketch Number	311-46-RA(L1)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

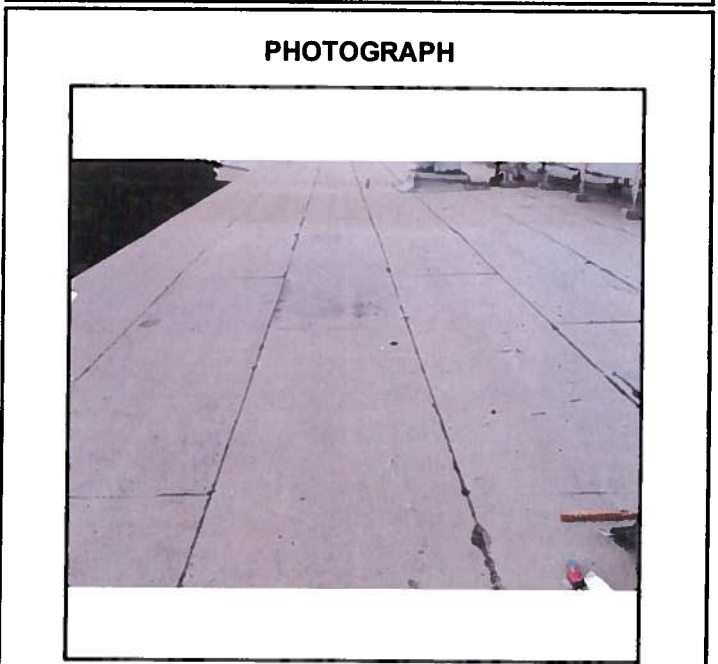
Location of Confirmed, Assumed, or New ACM within Building

gray mineral capsheet built-up roof system	Not Applicable
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SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-RA(L1)1, 311-46-RA(L1)2, 311-46-RA(L1)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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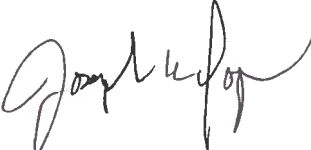
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-RA(L1)	gray mineral capsheet built-up roof system
---------------	--

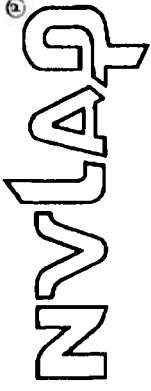
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-RA(L1)1	0	gray mineral capsheet built-up roof system	See Sketch 311-46-R
311-46-RA(L1)2	0	gray mineral capsheet built-up roof system	See Sketch 311-46-R
311-46-RA(L1)3	0	gray mineral capsheet built-up roof system	See Sketch 311-46-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprize Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-RA(L1)

Analysis Date: 1/23/2015

Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-046	311-46-RA(L1)1	gray	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-049	311-46-RA(L1)2	gray	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-052	311-46-RA(L1)3	gray	Yes	No	<1	fibrous glass 20	misc. part. 80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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EMET Services, Inc. 94-520 Uke`e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 FAX: (808) 6717979

Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-RA(L2) gray mineral capsheet built-up roof system	311-46-RA(L2)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

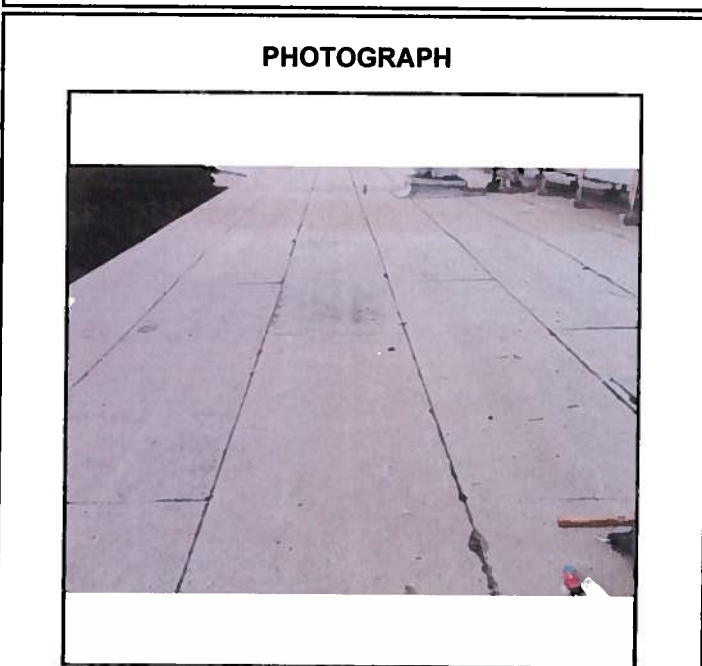
Location of Confirmed, Assumed, or New ACM within Building

gray mineral capsheet built-up roof system	Not Applicable
--	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-RA(L2)1, 311-46-RA(L2)2, 311-46-RA(L2)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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EMET ID

1408311

Sample Area/Lot Number and Name

311-46-RA(L2)	gray mineral capsheet built-up roof system
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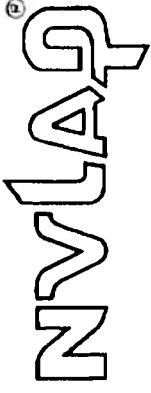
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-RA(L2)1	0	gray mineral capsheet built-up roof system	See Sketch 311-46-R
311-46-RA(L2)2	0	gray mineral capsheet built-up roof system	See Sketch 311-46-R
311-46-RA(L2)3	0	gray mineral capsheet built-up roof system	See Sketch 311-46-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116




Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory: 

Sample/Homogeneous Area: 311-46-RA(L2)

Analysis Date: 1/23/2015

Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-047	311-46-RA(L2)1	black	Yes	No	<1	fibrous glass 25	misc. part. 75	
311-050	311-46-RA(L2)2	black	Yes	No	<1	fibrous glass 25	misc. part. 75	
311-053	311-46-RA(L2)3	black	Yes	No	<1	fibrous glass 25	misc. part. 75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-RA(L3) gray mineral capsheet built-up roof system	
	Drawing/Sketch Number	311-46-RA(L3)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Location of Confirmed, Assumed, or New ACM within Building

Unified Sample Area/Homogeneous Material

gray mineral capsheet built-up roof system

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1		#2	
Square Feet of Ceiling Materials			
Square Feet of Wall Materials			
Square Feet of Floor Surface			
Linear Feet of TSI			
Square Feet of Structural Steel Coatings (including over-spray)			
Square Feet of Other ACM			
Linear Feet of Other ACM			
Total square and/or linear feet of ACM in this Sample Space:			

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
		Friable Surface
		--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-RA(L3)1, 311-46-RA(L3)2, 311-46-RA(L3)3
Samples Analyzed by	EMET
Number of Salient Designations	

PHOTOGRAPH



Sample Log and Notes

Building Number and Name

46	building 46
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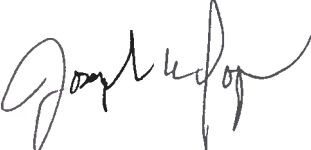
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-RA(L3)	gray mineral capsheet built-up roof system
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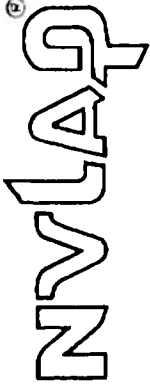
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-RA(L3)1	0	gray mineral capsheet built-up roof system	See Sketch 311-46-R
311-46-RA(L3)2	0	gray mineral capsheet built-up roof system	See Sketch 311-46-R
311-46-RA(L3)3	0	gray mineral capsheet built-up roof system	See Sketch 311-46-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 46
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-46-RA(L3) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-048	311-46-RA(L3)1	black	Yes	No	<1	cellulose	misc. part.	
311-051	311-46-RA(L3)2	black	Yes	No	<1	cellulose	misc. part.	
311-054	311-46-RA(L3)3	black	Yes	No	<1	cellulose	misc. part.	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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EMET Services, Inc. 94-520 Uke`e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 FAX: (808) 6717979

Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-RB white weather membrane roof coating material	311-46-RB
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

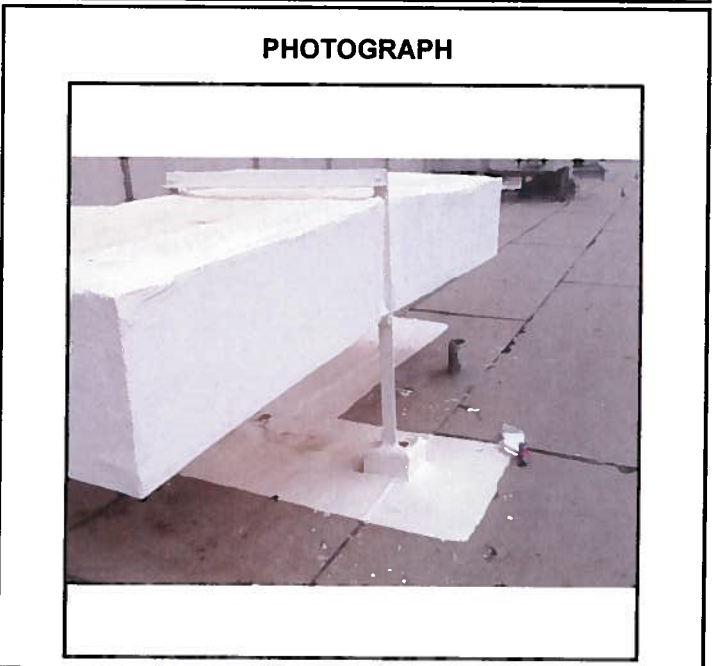
Location of Confirmed, Assumed, or New ACM within Building

white weather membrane roof coating material	Not Applicable
--	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-RB1, 311-46-RB2, 311-46-RB3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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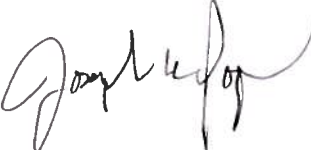
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-RB	white weather membrane roof coating material
-----------	--

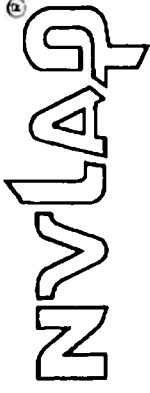
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-RB1	0	white weather membrane roof coating material	See Sketch 311-46-R
311-46-RB2	0	white weather membrane roof coating material	See Sketch 311-46-R
311-46-RB3	0	white weather membrane roof coating material	See Sketch 311-46-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-RB

Analysis Date: 1/23/2015

Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-055	311-46-RB1	white	Yes	No	<1	-	misc. part.	100
311-056	311-46-RB2	white	Yes	No	<1	-	misc. part.	100
311-057	311-46-RB3	white	Yes	No	<1	-	misc. part.	100

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID 1408311	Building Number and Name 46 building 46	Inspection Date 1/15/2015
Document Number 	Material ID and Description 311-46-RC gray patch/sealant	Unified Sample Area Number 311-46-RC
	Drawing/Sketch Number 	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Location of Confirmed, Assumed, or New ACM within Building

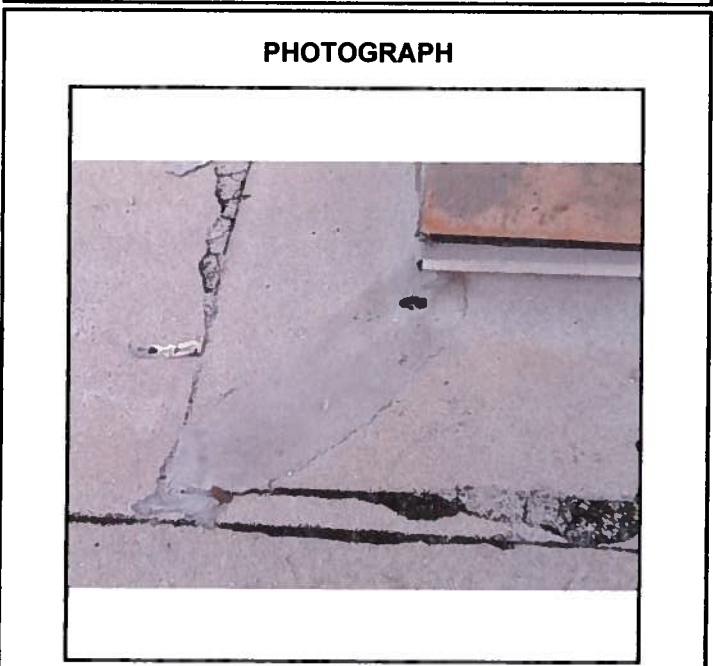
Unified Sample Area/Homogeneous Material

gray patch/sealant	Not Applicable
--------------------	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	<input type="text"/> #2 <input type="text"/>
Square Feet of Ceiling Materials	<input type="text"/>
Square Feet of Wall Materials	<input type="text"/>
Square Feet of Floor Surface	<input type="text"/>
Linear Feet of TSI	<input type="text"/>
Square Feet of Structural Steel Coatings (including over-spray)	<input type="text"/>
Square Feet of Other ACM	<input type="text"/>
Linear Feet of Other ACM	<input type="text"/>
Total square and/or linear feet of ACM in this Sample Space: <input type="text"/>	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
		Friable Surface
		--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	<input type="text" value="3"/>
Total Number of Samples Analyzed	<input type="text" value="3"/>
ASBESTOS-CONTAINING MATERIAL ?	<input type="text" value="NO"/>
Samples Collected by	<input type="text" value="EMET"/>
Sample Numbers	<input type="text" value="311-46-RC1, 311-46-RC2, 311-46-RC3"/>
Samples Analyzed by	<input type="text" value="EMET"/>
Number of Salient Designations	<input type="text"/>



Sample Log and Notes

Building Number and Name

46	building 46
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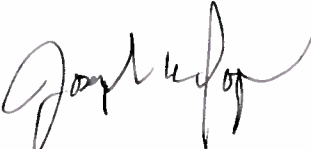
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-RC	gray patch/sealant
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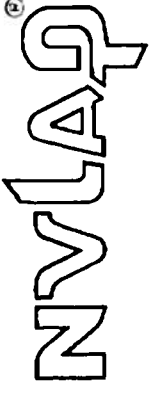
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-RC1	0	gray patch/sealant	See Sketch 311-46-R
311-46-RC2	0	gray patch/sealant	See Sketch 311-46-R
311-46-RC3	0	gray patch/sealant	See Sketch 311-46-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-RC Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-058	311-46-RC1	gray	Yes	No	<1	-	misc. part.	
311-059	311-46-RC2	gray	Yes	No	<1	-	misc. part.	
311-060	311-46-RC3	gray	Yes	No	<1	-	misc. part.	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name		Inspection Date
1408311	46	building 46	1/15/2015
Document Number	Material ID and Description		Unified Sample Area Number
	311-46-RD(L1) silver wrap w/yellow insulation duct insulation		
	Drawing/Sketch Number		311-46-RD(L1)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Location of Confirmed, Assumed, or New ACM within Building

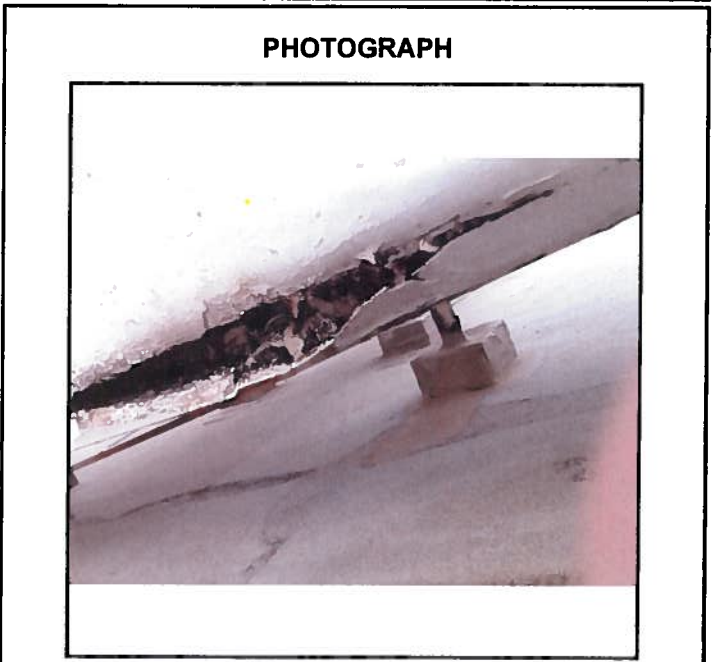
Unified Sample Area/Homogeneous Material

silver wrap w/yellow insulation duct insulation	Not Applicable
---	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
Visible	Reachable	Texture
Barriers	Ventilation If Yes	Friable Surface
Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-RD(L1)1, 311-46-RD(L1)2, 311-46-RD(L1)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
----	-------------


EMET ID

1408311

Sample Area/Lot Number and Name

311-46-RD(L1)	silver wrap w/yellow insulation duct insulation
---------------	---

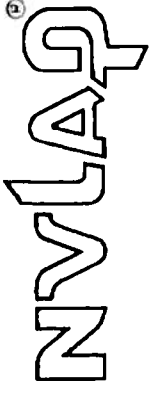
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-RD(L1)1	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-R
311-46-RD(L1)2	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-R
311-46-RD(L1)3	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-46-RD(L1) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-061	311-46-RD(L1)1	silver	Yes	No	<1	cellulose 15	misc. part. 85	
311-063	311-46-RD(L1)2	silver	Yes	No	<1	cellulose 15	misc. part. 85	
311-065	311-46-RD(L1)3	silver	Yes	No	<1	cellulose 15	misc. part. 85	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
[]	311-46-RD(L2) silver wrap w/yellow insulation duct insulation	
	Drawing/Sketch Number	311-46-RD(L2)
	[]	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

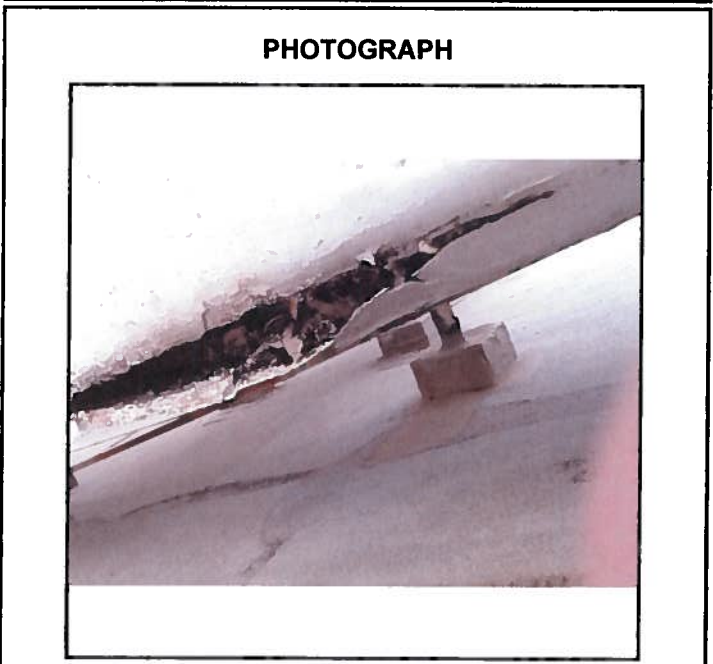
Location of Confirmed, Assumed, or New ACM within Building

silver wrap w/yellow insulation duct insulation	Not Applicable
---	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	[] #2 []
Square Feet of Ceiling Materials	[]
Square Feet of Wall Materials	[]
Square Feet of Floor Surface	[]
Linear Feet of TSI	[]
Square Feet of Structural Steel Coatings (including over-spray)	[]
Square Feet of Other ACM	[]
Linear Feet of Other ACM	[]
Total square and/or linear feet of ACM in this Sample Space: []	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
[]	[]	[]
Visible	Reachable	Texture
[]	[]	[]
Barriers	Ventilation	Friable Surface
[]	[] []	[] []
Air Movement	Proximity to Repair Items	Activity
[]	[]	[]

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	[] 3
Total Number of Samples Analyzed	[] 3
ASBESTOS-CONTAINING MATERIAL ?	[] NO
Samples Collected by	[] EMET
Sample Numbers	311-46-RD(L2)1, 311-46-RD(L2)2, 311-46-RD(L2)3
Samples Analyzed by	[] EMET
Number of Salient Designations	[]



Sample Log and Notes

Building Number and Name

46	building 46
----	-------------


EMET ID

1408311

Sample Area/Lot Number and Name

311-46-RD(L2)	silver wrap w/yellow insulation duct insulation
---------------	---

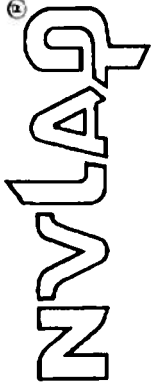
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-RD(L2)1	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-R
311-46-RD(L2)2	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-R
311-46-RD(L2)3	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 46
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-46-RD(L2) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-062	311-46-RD(L2)1	yellow	Yes	No	<1	fibrous glass 100	-	
311-064	311-46-RD(L2)2	yellow	Yes	No	<1	fibrous glass 100	-	
311-066	311-46-RD(L2)3	yellow	Yes	No	<1	fibrous glass 100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
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*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID 1408311	Building Number and Name 46 building 46	Inspection Date 1/15/2015
Document Number	Material ID and Description 311-46-RE black patch/sealant	Unified Sample Area Number 311-46-RE
	Drawing/Sketch Number 311-46-R 311-46-R	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Location of Confirmed, Assumed, or New ACM within Building

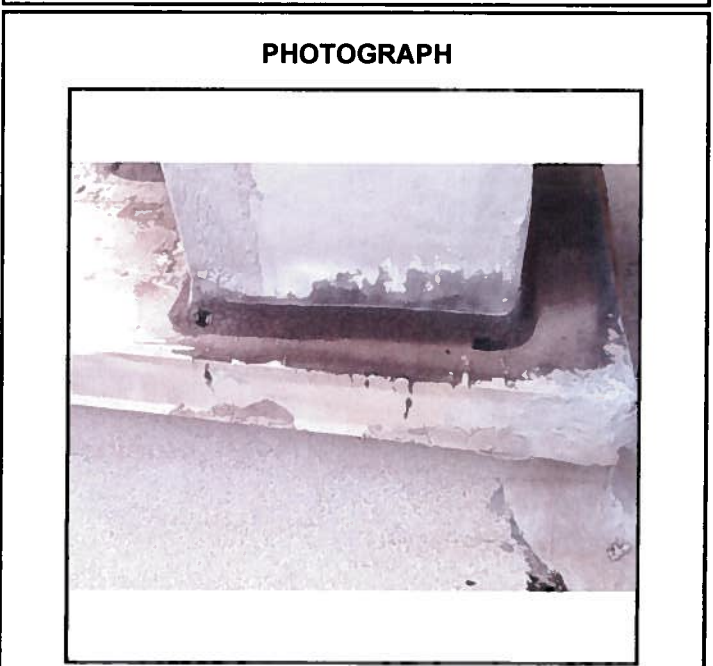
Unified Sample Area/Homogeneous Material

black patch/sealant	See Sketch 311-46-R at metal base where duct penetrates roof
---------------------	---

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	70
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	±70

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
None	Moderate	None
Visible	Reachable	Texture
More than 10%	Not reachable	
Barriers	Ventilation If Yes	Friable Surface
Enclosed	No	No Category I
Air Movement	Proximity to Repair Items	Activity
High	Less than 1 ft.	Low

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	YES
Samples Collected by	EMET
Sample Numbers	311-46-RE1, 311-46-RE2, 311-46-RE3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
----	-------------

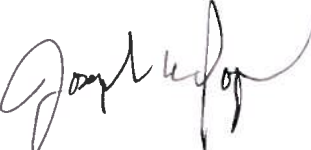
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-RE	black patch/sealant
-----------	---------------------

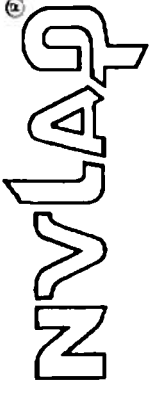
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-RE1	2	black patch/sealant	See Sketch 311-46-R
311-46-RE2	2	black patch/sealant	See Sketch 311-46-R
311-46-RE3	2	black patch/sealant	See Sketch 311-46-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-RE Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-067	311-46-RE1	black	Yes	Yes	chrysotile 2	-	misc. part. 98	
311-068	311-46-RE2	black	Yes	Yes	chrysotile 2	-	misc. part. 98	
311-069	311-46-RE3	black	Yes	Yes	chrysotile 2	-	misc. part. 98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID 1408311	Building Number and Name 46 building 46	Inspection Date 1/15/2015
Document Number	Material ID and Description 311-46-RF gray/black patch/sealant	Unified Sample Area Number 311-46-RF
	Drawing/Sketch Number 311-46-R 311-46-R	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Location of Confirmed, Assumed, or New ACM within Building

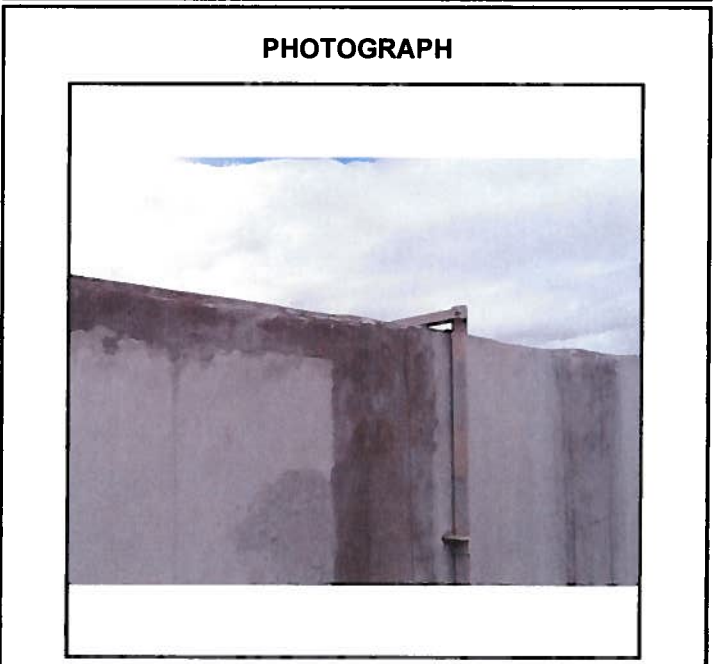
Unified Sample Area/Homogeneous Material

gray/black patch/sealant	See Sketch 311-46-R used as patch all over ducts
--------------------------	---

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	2000
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	
±2000	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
None	Moderate	None
Visible	Reachable	Texture
More than 10%	Within reach	
Barriers	Ventilation	If Yes
Enclosed	No	
		Friable Surface
		No Category I
Air Movement	Proximity to Repair Items	Activity
High	Less than 1 ft.	Low

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	YES
Samples Collected by	EMET
Sample Numbers	311-46-RF1, 311-46-RF2, 311-46-RF3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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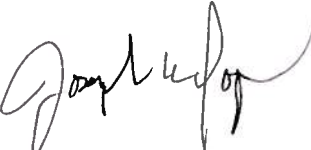
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-RF	gray/black patch/sealant
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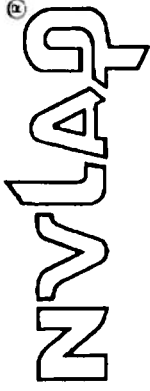
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-RF1	2	gray/black patch/sealant	See Sketch 311-46-R
311-46-RF2	2	gray/black patch/sealant	See Sketch 311-46-R
311-46-RF3	2	gray/black patch/sealant	See Sketch 311-46-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-RF Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-070	311-46-RF1	gray/ black	Yes	Yes	chrysotile 2	-	misc. part. 98	
311-071	311-46-RF2	gray/ black	Yes	Yes	chrysotile 2	-	misc. part. 98	
311-072	311-46-RF3	gray/ black	Yes	Yes	chrysotile 2	-	misc. part. 98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	46 building 46	Building Location	1408311
For the ACM - Space Identified as:	311-46-LR	91 Enterprise Street Kapolei, HI 96707	EMET ID
			Inspection Date: 1/15/2015

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present		Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC		
311-46-LRA(L1)	pitch & gravel built-up roof system		YES	NO ACM					
311-46-LRA(L2)	pitch & gravel built-up roof system		YES	NO ACM					
311-46-LRA(L3)	pitch & gravel built-up roof system		YES	NO ACM					
311-46-LRB	gray patch/sealant		YES	ACM	NO	M	ND	PD	8
311-46-LRC	gray caulking		YES	NO ACM					
311-46-LRD(L1)	6" o. d. silver wrap w/ white insulation TSI		YES	NO ACM					

**** Refers to Material Type and Damage Conditions**

T = Material Type:
 S = Surfacing
 M = Miscellaneous
 T = Thermal Systems
DC = Damage Condition:
 ND = No Damage
 D = Damaged
 SD = Significant Damage
PD = Potential Damage Condition:
 NPD = No Potential Damage
 PD = ACBM w/ Potential Damage
 PSD = Potential Significant Damage

**** Recommended Response Action:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program.
 - 3-5. Remove or repair ASAP, or reduce potential for disturbance. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	46 building 46	Building Location	1408311
For the ACM - Space Identified as:	311-46-LR	91 Enterprise Street Kapolei, HI 96707	Inspection Date: 1/15/2015

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present		Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC		
311-46-LRD(L2)	6" o. d. silver wrap w/ white insulation TSI		YES	NO ACM					

*** Refers to Material Type and Damage Conditions**

<p>T = Material Type: S = Surfacing M = Miscellaneous T = Thermal Systems</p>	<p>DC = Damage Condition: ND = No Damage D = Damaged SD = Significant Damage</p>
<p>PD = Potential Damage Condition: NPD = No Potential Damage PD = ACBM w/ Potential Damage PSD = Potential Significant Damage</p>	<p>PSD = Potential Significant Damage</p>

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP, or reduce potential for disturbance.
 - 3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Sample Area Report – Area Master

EMET ID 1408311	Building Number and Name 46 building 46	Inspection Date 1/15/2015
Document Number 	Material ID and Description 311-46-LRA (L1) pitch & gravel built-up roof system	Unified Sample Area Number 311-46-LRA(L1)
	Drawing/Sketch Number 	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

pitch & gravel built-up roof system

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	<input type="text"/> #2 <input type="text"/>
Square Feet of Ceiling Materials	<input type="text"/>
Square Feet of Wall Materials	<input type="text"/>
Square Feet of Floor Surface	<input type="text"/>
Linear Feet of TSI	<input type="text"/>
Square Feet of Structural Steel Coatings (including over-spray)	<input type="text"/>
Square Feet of Other ACM	<input type="text"/>
Linear Feet of Other ACM	<input type="text"/>
Total square and/or linear feet of ACM in this Sample Space: <input type="text"/>	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-LRA(L1)1, 311-46-LRA(L1)2, 311-46-LRA(L1)3
Samples Analyzed by	EMET
Number of Salient Designations	<input type="text"/>



Sample Log and Notes

Building Number and Name

46	building 46
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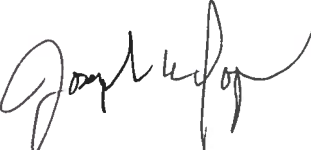
EMET ID

1408311

Sample Area/Lot Number and Name

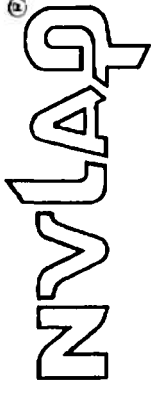
311-46-LRA(L1)	pitch & gravel built-up roof system
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Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-LRA(L1)1	0	pitch & gravel built-up roof system	See Sketch 311-46-LR
311-46-LRA(L1)2	0	pitch & gravel built-up roof system	See Sketch 311-46-LR
311-46-LRA(L1)3	0	pitch & gravel built-up roof system	See Sketch 311-46-LR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 46
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-46-LRA(L1) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-001	311-46-LRA(L1)1	gray	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-004	311-46-LRA(L1)2	gray	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-007	311-46-LRA(L1)3	gray	Yes	No	<1	fibrous glass 20	misc. part. 80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-LRA (L2) pitch & gravel built-up roof system	
	Drawing/Sketch Number	311-46-LRA(L2)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Location of Confirmed, Assumed, or New ACM within Building

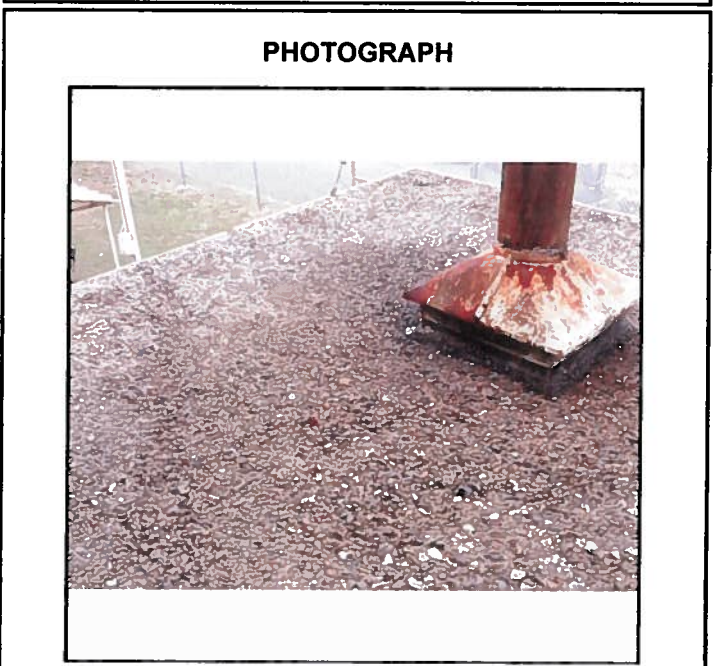
Unified Sample Area/Homogeneous Material

pitch & gravel built-up roof system	Not Applicable
-------------------------------------	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	
#2	
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-LRA(L2)1, 311-46-LRA(L2)2, 311-46-LRA(L2)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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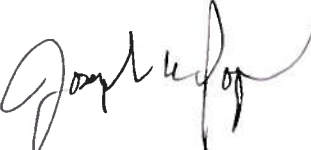
EMET ID

1408311

Sample Area/Lot Number and Name

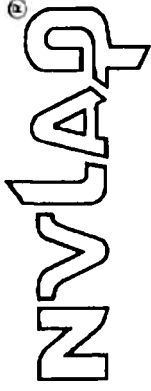
311-46-LRA(L2)	pitch & gravel built-up roof system
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Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-LRA(L2)1	0	pitch & gravel built-up roof system	See Sketch 311-46-LR
311-46-LRA(L2)2	0	pitch & gravel built-up roof system	See Sketch 311-46-LR
311-46-LRA(L2)3	0	pitch & gravel built-up roof system	See Sketch 311-46-LR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 46 NVLAP LAB CODE 101807-0
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-46-LRA(L2) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-002	311-46-LRA(L2)1	black	Yes	No	<1	fibrous glass 25	misc. part. 75	
311-005	311-46-LRA(L2)2	black	Yes	No	<1	fibrous glass 25	misc. part. 75	
311-008	311-46-LRA(L2)3	black	Yes	No	<1	fibrous glass 25	misc. part. 75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-LRA (L3) pitch & gravel built-up roof system	
	Drawing/Sketch Number	311-46-LRA(L3)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

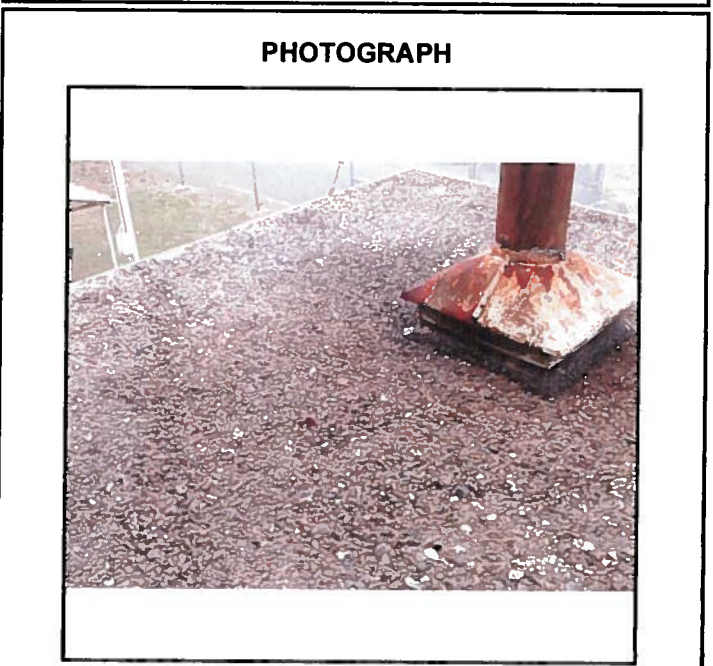
Location of Confirmed, Assumed, or New ACM within Building

Unified Sample Area/Homogeneous Material pitch & gravel built-up roof system	Location of Confirmed, Assumed, or New ACM within Building Not Applicable
--	---

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
		Friable Surface
		--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-LRA(L3)1, 311-46-LRA(L3)2, 311-46-LRA(L3)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
----	-------------

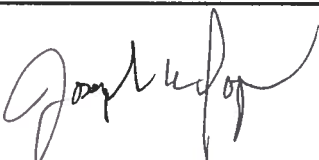
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-LRA(L3)	pitch & gravel built-up roof system
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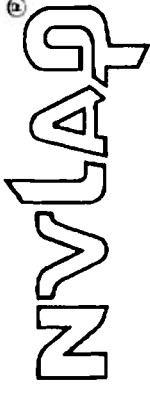
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-LRA(L3)1	0	pitch & gravel built-up roof system	See Sketch 311-46-LR
311-46-LRA(L3)2	0	pitch & gravel built-up roof system	See Sketch 311-46-LR
311-46-LRA(L3)3	0	pitch & gravel built-up roof system	See Sketch 311-46-LR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-LRA(L3) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-003	311-46-LRA(L3)1	black	Yes	No	<1	cellulose	misc. part.	
311-006	311-46-LRA(L3)2	black	Yes	No	<1	cellulose, fibrous glass	misc. part.	
311-009	311-46-LRA(L3)3	black	Yes	No	<1	cellulose, fibrous glass	misc. part.	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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EMET Services, Inc. 94-520 Uke`e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 FAX: (808) 6717979

Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-LRB gray patch/sealant	
	Drawing/Sketch Number	311-46-LRB
	311-46-LR 311-46-LR	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

gray patch/sealant

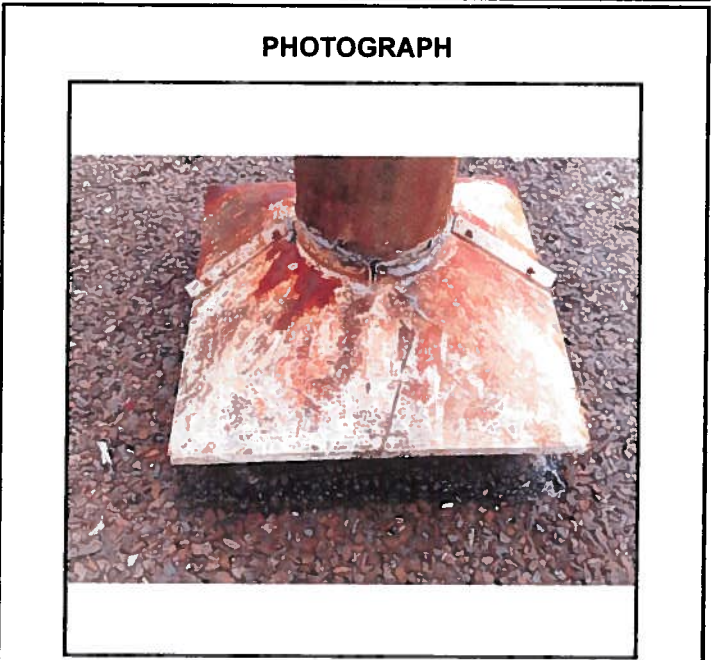
See Sketch 311-46-LR

at base of stack

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	4
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	
±4	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
None	Moderate	None
Visible	Reachable	Texture
More than 10%	Not reachable	
Barriers	Ventilation	If Yes
Enclosed	No	No
		Friable Surface Category I
Air Movement	Proximity to Repair Items	Activity
Low	Less than 1 ft.	High

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	YES
Samples Collected by	EMET
Sample Numbers	311-46-LRB1, 311-46-LRB2, 311-46-LRB3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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EMET ID

1408311

Sample Area/Lot Number and Name

311-46-LRB	gray patch/sealant
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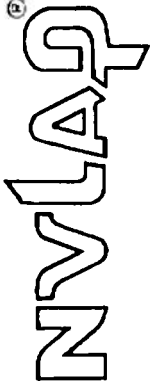
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-LRB1	3	gray patch/sealant	See Sketch 311-46-LR
311-46-LRB2	3	gray patch/sealant	See Sketch 311-46-LR
311-46-LRB3	3	gray patch/sealant	See Sketch 311-46-LR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-46-LRB

Analysis Date: 1/23/2015

Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-010	311-46-LRB1	gray	Yes	Yes	chrysotile 3	cellulose 3	misc. part. 94	
311-011	311-46-LRB2	gray	Yes	Yes	chrysotile 3	cellulose 3	misc. part. 94	
311-012	311-46-LRB3	gray	Yes	Yes	chrysotile 3	cellulose 3	misc. part. 94	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

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Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-LRC gray caulking	311-46-LRC
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

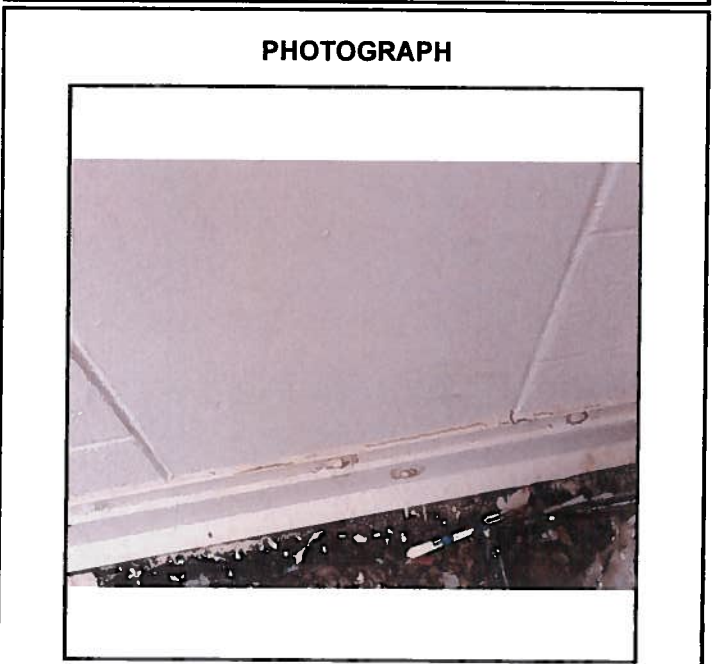
Location of Confirmed, Assumed, or New ACM within Building

gray caulking	Not Applicable
---------------	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
		Friable Surface
		--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-LRC1, 311-46-LRC2, 311-46-LRC3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
----	-------------

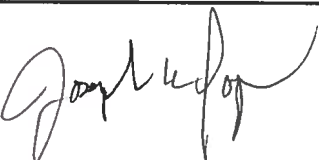
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-LRC	gray caulking
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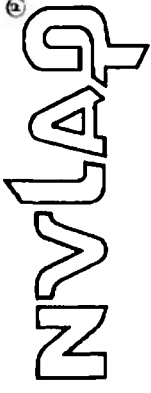
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-LRC1	0	gray caulking	See Sketch 311-46-LR
311-46-LRC2	0	gray caulking	See Sketch 311-46-LR
311-46-LRC3	0	gray caulking	See Sketch 311-46-LR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797

Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 46
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-46-LRC Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-013	311-46-LRC1	gray	Yes	No	<1	-	misc. part.	
311-014	311-46-LRC2	gray	Yes	No	<1	-	misc. part.	
311-015	311-46-LRC3	gray	Yes	No	<1	-	misc. part.	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-LRD (L1) 6" o. d. silver wrap w/ white insulation TSI	311-46-LRD(L1)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

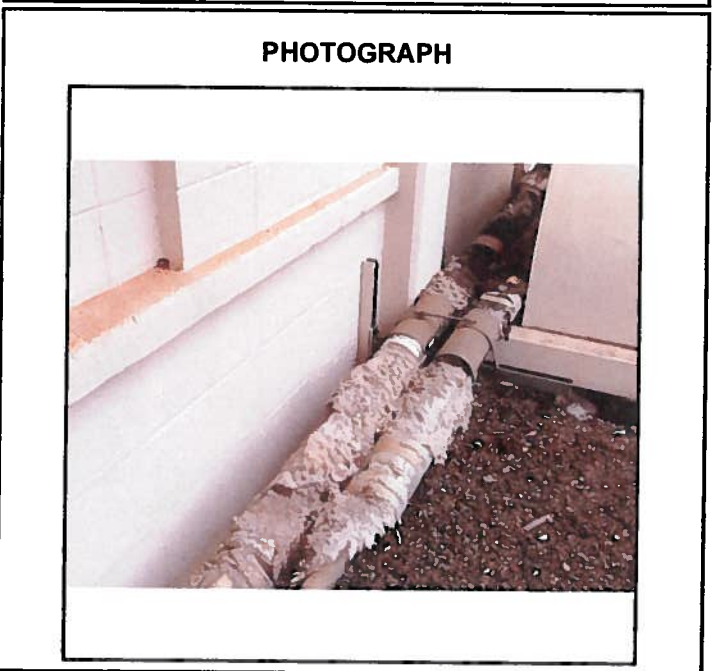
Location of Confirmed, Assumed, or New ACM within Building

6" o. d. silver wrap w/ white insulation TSI	Not Applicable
--	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-LRD(L1)1, 311-46-LRD(L1)2, 311-46-LRD(L1)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
----	-------------

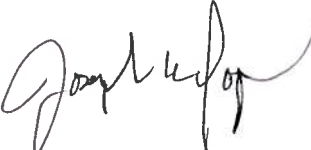
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-LRD(L1)	6" o. d. silver wrap w/ white insulation TSI
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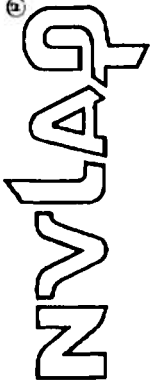
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-LRD(L1)1	0	6" o. d. silver wrap w/ white insulation TSI	See Sketch 311-46-LR
311-46-LRD(L1)2	0	6" o. d. silver wrap w/ white insulation TSI	See Sketch 311-46-LR
311-46-LRD(L1)3	0	6" o. d. silver wrap w/ white insulation TSI	See Sketch 311-46-LR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 46
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-46-LRD(L1) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-016	311-46-LRD(L1)1	silver	Yes	No	<1	cellulose 15	misc. part. 85	
311-018	311-46-LRD(L1)2	silver	Yes	No	<1	cellulose 15	misc. part. 85	
311-020	311-46-LRD(L1)3	silver	Yes	No	<1	cellulose 15	misc. part. 85	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

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*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

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*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-LRD (L2) 6" o. d. silver wrap w/ white insulation TSI	311-46-LRD(L2)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

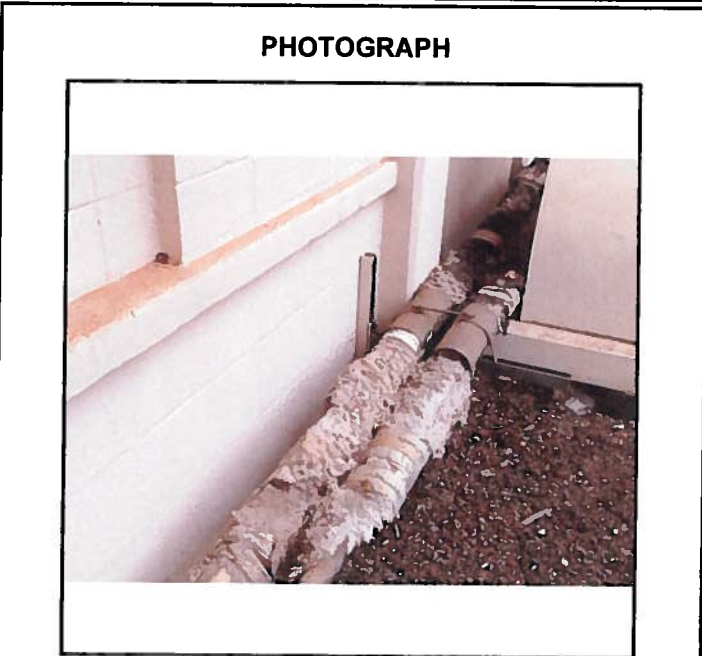
6" o. d. silver wrap w/ white insulation TSI

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
		Friable Surface
		--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-LRD(L2)1, 311-46-LRD(L2)2, 311-46-LRD(L2)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
----	-------------

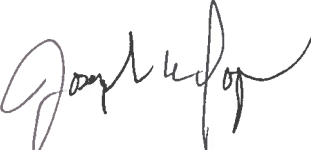
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-LRD(L2)	6" o. d. silver wrap w/ white insulation TSI
----------------	--

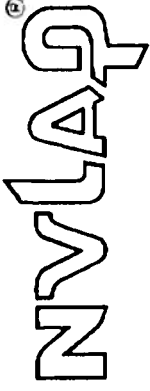
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-LRD(L2)1	0	6" o. d. silver wrap w/ white insulation TSI	See Sketch 311-46-LR
311-46-LRD(L2)2	0	6" o. d. silver wrap w/ white insulation TSI	See Sketch 311-46-LR
311-46-LRD(L2)3	0	6" o. d. silver wrap w/ white insulation TSI	See Sketch 311-46-LR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 46
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-46-LRD(L2) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-017	311-46-LRD(L2)1	yellow	Yes	No	<1	fibrous glass 100	-	
311-019	311-46-LRD(L2)2	yellow	Yes	No	<1	fibrous glass 100	-	
311-021	311-46-LRD(L2)3	yellow	Yes	No	<1	fibrous glass 100	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

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*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	46 building 46	Building Location	1408311
For the ACM - Space Identified as:	311-46-MR	91 Enterprise Street Kapolei, HI 96707	EMET ID
			Inspection Date: 1/15/2015

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present		Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC		
311-46-MRA(L1)	pitch & gravel built-up roof system		YES	NO ACM					
311-46-MRA(L2)	pitch & gravel built-up roof system		YES	NO ACM					
311-46-MRA(L3)	pitch & gravel built-up roof system		YES	NO ACM					
311-46-MRB	gray patch/sealant		YES	ACM	NO	M	ND	PD	8
311-46-MRC	gray/black patch/sealant		YES	NO ACM					
311-46-MRD(L1)	silver wrap w/yellow insulation duct insulation		YES	NO ACM					\$40

*** Refers to Material Type and Damage Conditions**

T = Material Type:
 S = Surfacing
 M = Miscellaneous
 T = Thermal Systems
DC = Damage Condition:
 ND = No Damage
 D = Damaged
 SD = Significant Damage
PD = Potential Damage Condition:
 NPD = No Potential Damage
 PD = ACBM w/ Potential Damage
 PSD = Potential Significant Damage

**** Recommended Response Action:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program.
 - 3-5. Remove or repair ASAP, or reduce potential for disturbance.
 - 3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance.
 - 6-7. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	46	building 46	EMET ID	1408311	
For the ACM - Space Identified as:	91 Enterprise Street Kapolei, HI 96707			Inspection Date:	1/15/2015
	311-46-MR				

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present		Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC		
311-46-MRD(L2)	silver wrap w/yellow insulation duct insulation		YES	NO ACM					
311-46-MRE	gray caulking		YES	NO ACM					

*** Refers to Material Type and Damage Conditions**

T = Material Type:
S = Surfacing
M = Miscellaneous
T = Thermal Systems

DC = Damage Condition:
ND = No Damage
D = Damaged
SD = Significant Damage

PD = Potential Damage Condition:
NPD = No Potential Damage
PD = ACBM w/ Potential Damage
PSD = Potential Significant Damage

**** Recommended Response Actions:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program.
 - 3-5. Remove or repair ASAP, or reduce potential for disturbance.
 - 3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-MRA (L1) pitch & gravel built-up roof system	
	Drawing/Sketch Number	311-46-MRA(L1)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

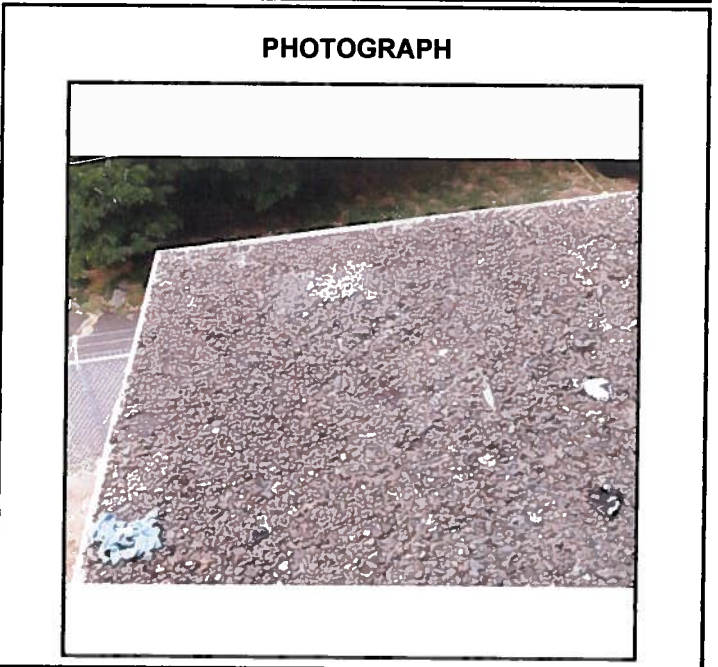
pitch & gravel built-up roof system

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-MRA(L1)1, 311-46-MRA(L1)2, 311-46-MRA(L1)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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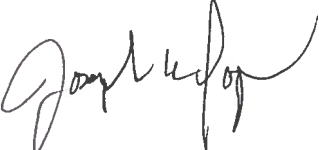
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-MRA(L1)	pitch & gravel built-up roof system
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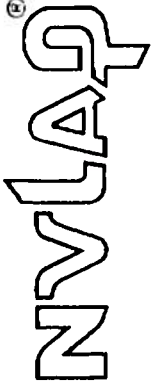
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-MRA(L1)1	0	pitch & gravel built-up roof system	See Sketch 311-46-MR
311-46-MRA(L1)2	0	pitch & gravel built-up roof system	See Sketch 311-46-MR
311-46-MRA(L1)3	0	pitch & gravel built-up roof system	See Sketch 311-46-MR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-MRA(L1) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-022	311-46-MRA(L)1	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-025	311-46-MRA(L)2	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-028	311-46-MRA(L)3	black	Yes	No	<1	fibrous glass 20	misc. part. 80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-MRA (L2) pitch & gravel built-up roof system	
	Drawing/Sketch Number	311-46-MRA(L2)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

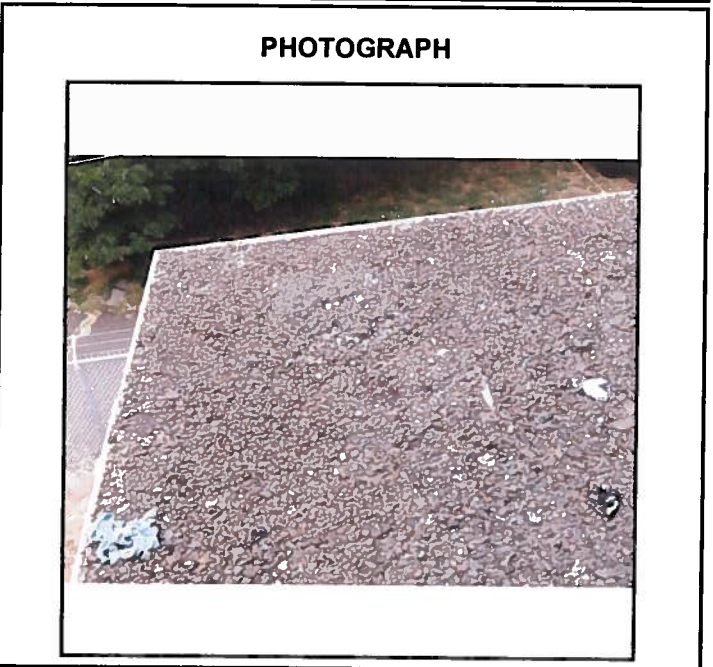
pitch & gravel built-up roof system

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
Air Movement	Proximity to Repair Items	Friable Surface
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-MRA(L2)1, 311-46-MRA(L2)2, 311-46-MRA(L2)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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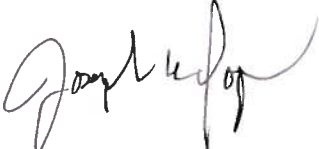
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-MRA(L2)	pitch & gravel built-up roof system
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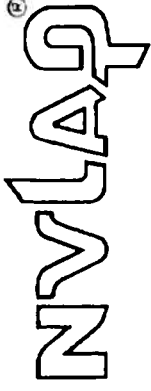
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-MRA(L2)1	0	pitch & gravel built-up roof system	See Sketch 311-46-MR
311-46-MRA(L2)2	0	pitch & gravel built-up roof system	See Sketch 311-46-MR
311-46-MRA(L2)3	0	pitch & gravel built-up roof system	See Sketch 311-46-MR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-MRA(L2) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-023	311-46-MRA(L2)1	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-026	311-46-MRA(L2)2	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-029	311-46-MRA(L2)3	black	Yes	No	<1	fibrous glass 20	misc. part. 80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-MRA (L3) pitch & gravel built-up roof system	
	Drawing/Sketch Number	311-46-MRA(L3)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

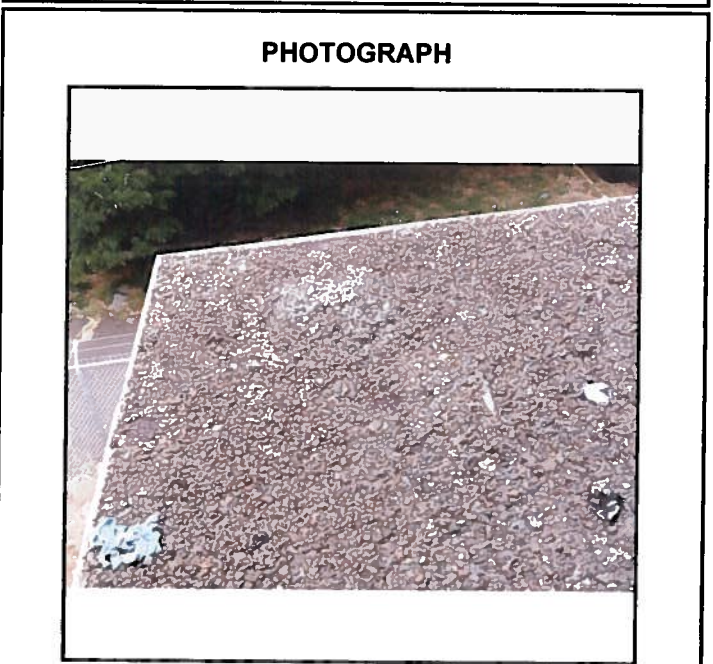
Location of Confirmed, Assumed, or New ACM within Building

pitch & gravel built-up roof system	Not Applicable
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SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-MRA(L3)1, 311-46-MRA(L3)2, 311-46-MRA(L3)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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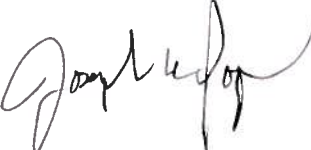
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-MRA(L3)	pitch & gravel built-up roof system
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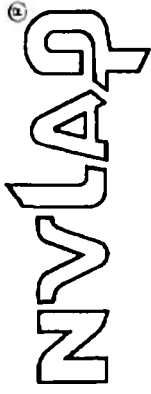
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-MRA(L3)1	0	pitch & gravel built-up roof system	See Sketch 311-46-MR
311-46-MRA(L3)2	0	pitch & gravel built-up roof system	See Sketch 311-46-MR
311-46-MRA(L3)3	0	pitch & gravel built-up roof system	See Sketch 311-46-MR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797

Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 46 NVLAP LAB CODE 101807-0
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-46-MRA(L3) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-024	311-46-MRA(L3)1	black	Yes	No	<1	cellulose 30	misc. part. 70	
311-027	311-46-MRA(L3)2	black	Yes	No	<1	cellulose 30	misc. part. 70	
311-030	311-46-MRA(L3)3	black	Yes	No	<1	cellulose 30	misc. part. 70	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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*Laboratory test report relates only to items tested.
*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-MRB gray patch/sealant	
	Drawing/Sketch Number	
	311-46-MR 311-46-MR	311-46-MRB

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

gray patch/sealant

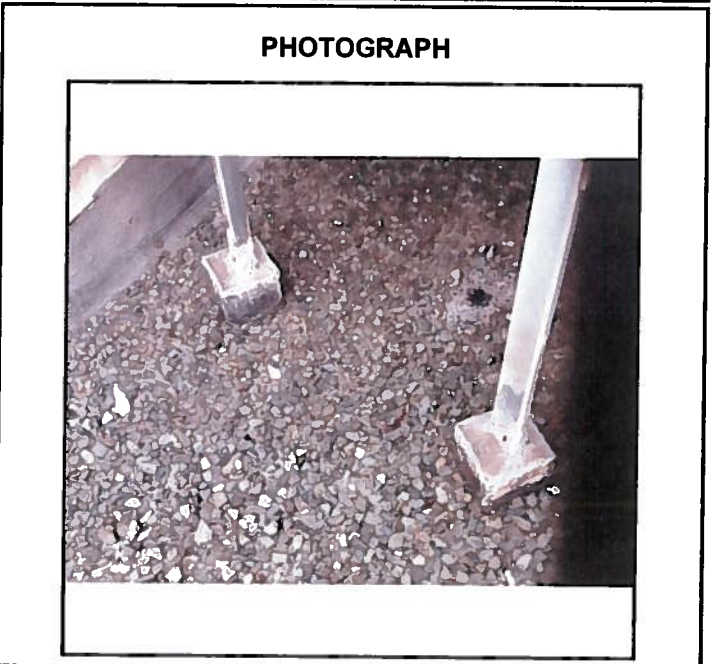
See Sketch 311-46-MR

at pitch pockets (4)

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	4
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	
	±4

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
None	Moderate	None
Visible	Reachable	Texture
More than 10%	Not reachable	
Barriers	Ventilation If Yes	Friable Surface
Enclosed	No	No Category I
Air Movement	Proximity to Repair Items	Activity
High	Less than 1 ft.	Low

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	YES
Samples Collected by	EMET
Sample Numbers	311-46-MRB1, 311-46-MRB2, 311-46-MRB3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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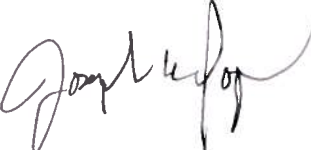
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-MRB	gray patch/sealant
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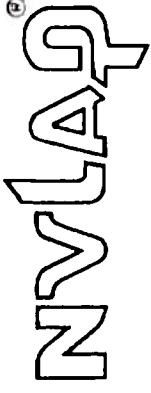
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-MRB1	3	gray patch/sealant	See Sketch 311-46-MR
311-46-MRB2	3	gray patch/sealant	See Sketch 311-46-MR
311-46-MRB3	3	gray patch/sealant	See Sketch 311-46-MR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-MRB Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-031	311-46-MRB1	gray	Yes	Yes	chrysotile 3	cellulose 4	misc. part. 93	
311-032	311-46-MRB2	gray	Yes	Yes	chrysotile 3	cellulose 4	misc. part. 93	
311-033	311-46-MRB3	gray	Yes	Yes	chrysotile 3	cellulose 2	misc. part. 95	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

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*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-MRC gray/black patch/sealant	311-46-MRC
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

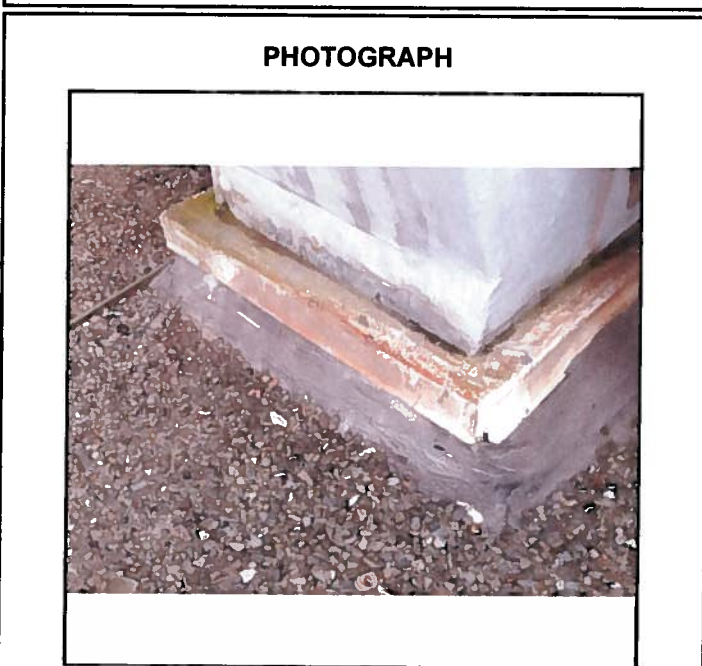
Location of Confirmed, Assumed, or New ACM within Building

gray/black patch/sealant	Not Applicable
--------------------------	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-MRC1, 311-46-MRC2, 311-46-MRC3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
----	-------------

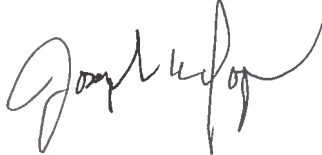
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-MRC	gray/black patch/sealant
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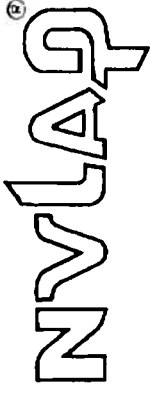
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-MRC1	0	gray/black patch/sealant	See Sketch 311-46-MR
311-46-MRC2	0	gray/black patch/sealant	See Sketch 311-46-MR
311-46-MRC3	0	gray/black patch/sealant	See Sketch 311-46-MR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 46
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-46-MRC Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-034	311-46-MRC1	gray/black	Yes	No	<1	fibrous glass 5	misc. part. 95	
311-035	311-46-MRC2	gray/black	Yes	No	<1	fibrous glass 5	misc. part. 95	
311-036	311-46-MRC3	gray/black	Yes	No	<1	fibrous glass 5	misc. part. 95	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	46 building 46	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-46-MRD (L1) silver wrap w/yellow insulation duct insulation	311-46-MRD(L1)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

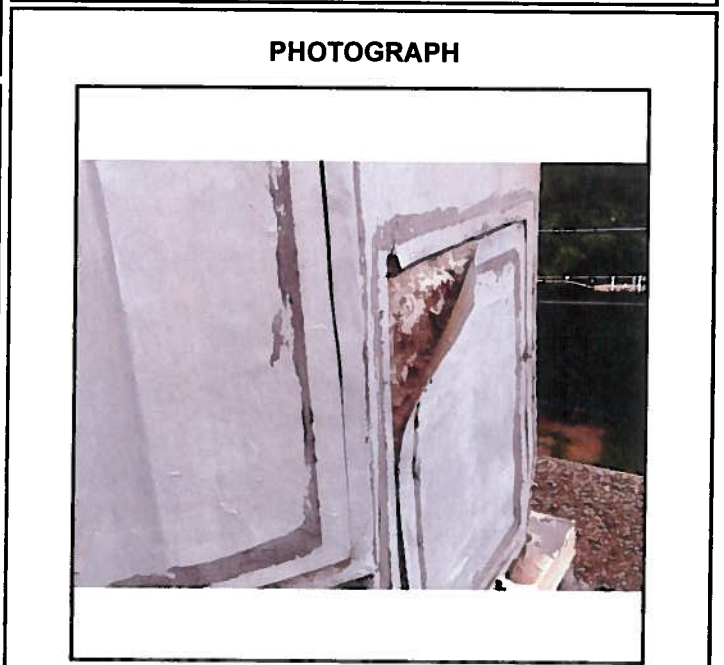
Location of Confirmed, Assumed, or New ACM within Building

silver wrap w/yellow insulation duct insulation	Not Applicable
---	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-MRD(L1)1, 311-46-MRD(L1)2, 311-46-MRD(L1)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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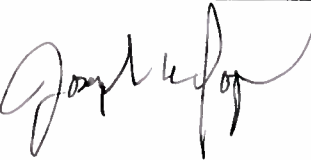
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-MRD(L1)	silver wrap w/yellow insulation duct insulation
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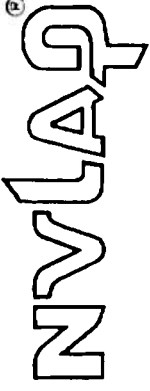
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-MRD(L1)1	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-MR
311-46-MRD(L1)2	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-MR
311-46-MRD(L1)3	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-MR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-46-MRD(L1) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-037	311-46-MRD(L1)1	silver	Yes	No	<1	cellulose 15	misc. part. 85	
311-039	311-46-MRD(L1)2	silver	Yes	No	<1	cellulose 15	misc. part. 85	
311-041	311-46-MRD(L1)3	silver	Yes	No	<1	cellulose 15	misc. part. 85	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID 1408311	Building Number and Name 46 building 46	Inspection Date 1/15/2015
Document Number 	Material ID and Description 311-46-MRD (L2) silver wrap w/yellow insulation duct insulation	Unified Sample Area Number 311-46-MRD(L2)
	Drawing/Sketch Number 	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

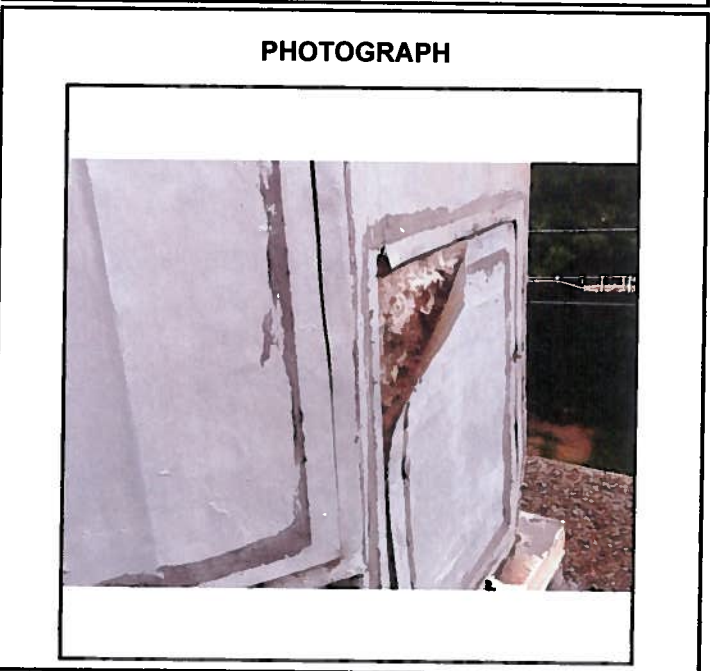
silver wrap w/yellow insulation duct insulation

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	<input type="text"/> #2 <input type="text"/>
Square Feet of Ceiling Materials	<input type="text"/>
Square Feet of Wall Materials	<input type="text"/>
Square Feet of Floor Surface	<input type="text"/>
Linear Feet of TSI	<input type="text"/>
Square Feet of Structural Steel Coatings (including over-spray)	<input type="text"/>
Square Feet of Other ACM	<input type="text"/>
Linear Feet of Other ACM	<input type="text"/>
Total square and/or linear feet of ACM in this Sample Space: <input type="text"/>	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	<input type="text" value="3"/>
Total Number of Samples Analyzed	<input type="text" value="3"/>
ASBESTOS-CONTAINING MATERIAL ?	<input type="text" value="NO"/>
Samples Collected by	<input type="text" value="EMET"/>
Sample Numbers	311-46-MRD(L2)1, 311-46-MRD(L2)2, 311-46-MRD(L2)3
Samples Analyzed by	<input type="text" value="EMET"/>
Number of Salient Designations	<input type="text"/>



Sample Log and Notes

Building Number and Name

46	building 46
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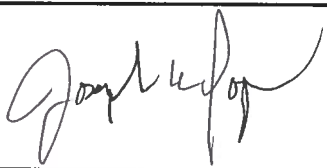
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-MRD(L2)	silver wrap w/yellow insulation duct insulation
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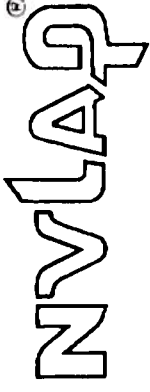
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-MRD(L2)1	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-MR
311-46-MRD(L2)2	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-MR
311-46-MRD(L2)3	0	silver wrap w/yellow insulation duct insulation	See Sketch 311-46-MR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 46
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-46-MRD(L2) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-038	311-46-MRD(L2)1	yellow	Yes	No	<1	fibrous glass	-	
311-040	311-46-MRD(L2)2	yellow	Yes	No	<1	fibrous glass	-	
311-042	311-46-MRD(L2)3	yellow	Yes	No	<1	fibrous glass	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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*Laboratory test report relates only to items tested.
*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.
*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Bldg 46 - Page 76

Sample Area Report – Area Master

EMET ID 1408311	Building Number and Name 46 building 46	Inspection Date 1/15/2015
Document Number 	Material ID and Description 311-46-MRE gray caulking	Unified Sample Area Number 311-46-MRE
	Drawing/Sketch Number 	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

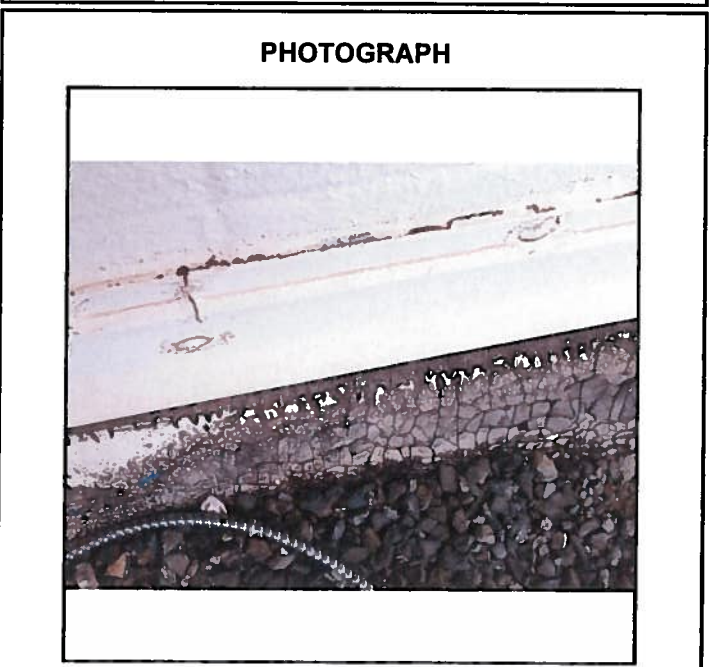
gray caulking

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
Visible	Reachable	Texture
Barriers	Ventilation	Frangible Surface
Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-46-MRE1, 311-46-MRE2, 311-46-MRE3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

46	building 46
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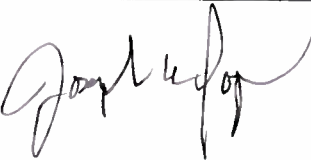
EMET ID

1408311

Sample Area/Lot Number and Name

311-46-MRE	gray caulking
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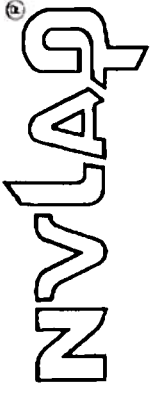
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-46-MRE1	0	gray caulking	See Sketch 311-46-MR
311-46-MRE2	0	gray caulking	See Sketch 311-46-MR
311-46-MRE3	0	gray caulking	See Sketch 311-46-MR

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 46

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-46-MRE Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-043	311-46-MRE1	gray	Yes	No	<1	cellulose 5	misc. part. 95	
311-044	311-46-MRE2	gray	Yes	No	<1	cellulose 5	misc. part. 95	
311-045	311-46-MRE3	gray	Yes	No	<1	cellulose 5	misc. part. 95	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Building Information Sheet

Job Code /EMET ID	Client Name	Inspection date
1408311	Ferraro Choi	1/15/2015
Building Number	Bldg Name	No. of Floors Surveyed
1784	building 1784	0
	Location	No. of Other Levels Surveyed
	91 Enterprise Street Kapolei, HI 96707	1

Building Construction Type <input style="width: 100%; height: 20px;" type="text"/> Structural Concrete with: Metal Decks, Flat Slab, Beam/Joist or Waffle Slabs; Structural Tees Steel Frame Wood Frame Load Bearing Masonry	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 40%;">Building Use</th> <th style="width: 50%;">% Floor Space</th> </tr> </thead> <tbody> <tr> <td>Use #1</td> <td>offices</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Use #2</td> <td><input style="width: 90%;" type="text"/></td> <td><input style="width: 90%;" type="text"/></td> </tr> <tr> <td>Use #3</td> <td><input style="width: 90%;" type="text"/></td> <td><input style="width: 90%;" type="text"/></td> </tr> </tbody> </table> <p>Academic Classes, Administration Offices, Food Services, Dormitory, Mechanical Spaces, Gymnasium, Laboratory, Library, Residential or Other (Specify)</p>		Building Use	% Floor Space	Use #1	offices	100	Use #2	<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>	Use #3	<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>	<div style="border: 2px solid black; padding: 5px;"> ACBM PRESENT? <input style="width: 80%; height: 20px;" type="text" value="NO"/> YES = PRESENT NO = NOT PRESENT ASM = ASSUMED </div>
	Building Use	% Floor Space												
Use #1	offices	100												
Use #2	<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>												
Use #3	<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>												

Inspector Identification	Specific areas surveyed
Name: Joseph Iopa III State of HI Certification No. HIASB-0585 State of HI Certification Expiration Date: 4/25/2015 Building Inspector Certification Exp. Date: 2/28/2015	main roof

Inspector Comments

EMET's scope of work was limited to the areas listed above in Specific Areas Surveyed. This report is not a specification for the removal of asbestos-containing material and should not be used as such. Results of the presence or absence of asbestos are based on the survey and on analyses of the suspect materials encountered. Original building plans and specifications were not available for review. Therefore, because of these limitations and the highly variable nature of building construction, the potential remains for undiscovered ACM. EMET makes no warranty and assumes no liability for the inappropriate use or misuse of this document.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	1784 building 1784	Building Location	91 Enterprise Street Kapolei, HI 96707
For the ACM - Space Identified as:	311-1784-R	EMET ID	1408311
		Inspection Date:	1/15/2015

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present		Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC		
311-1784-RA(L1)	black weather membrane built up roof system		YES	NO ACM					
311-1784-RA(L2)	black weather membrane built up roof system		YES	NO ACM					
311-1784-RA(L3)	black weather membrane built up roof system		YES	NO ACM					
311-1784-RB	white weather membrane roof coating		YES	NO ACM					
311-1784-RC	black caulking		YES	NO ACM					

*** Refers to Material Type and Damage Conditions**

I = Material Type:
S = Surfacing
M = Miscellaneous
T = Thermal Systems

DC = Damage Condition:
ND = No Damage
D = Damaged
SD = Significant Damage

PD = Potential Damage Condition:
NPD = No Potential Damage
PD = ACBM w/ Potential Damage
PSD = Potential Significant Damage

**** Recommended Response Action:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program.
 - 3-5. Remove or repair ASAP, or reduce potential for disturbance.
 - 3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1784 building 1784	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1784-RA (L1) black weather membrane built up roof system	
	Drawing/Sketch Number	311-1784-RA(L1)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

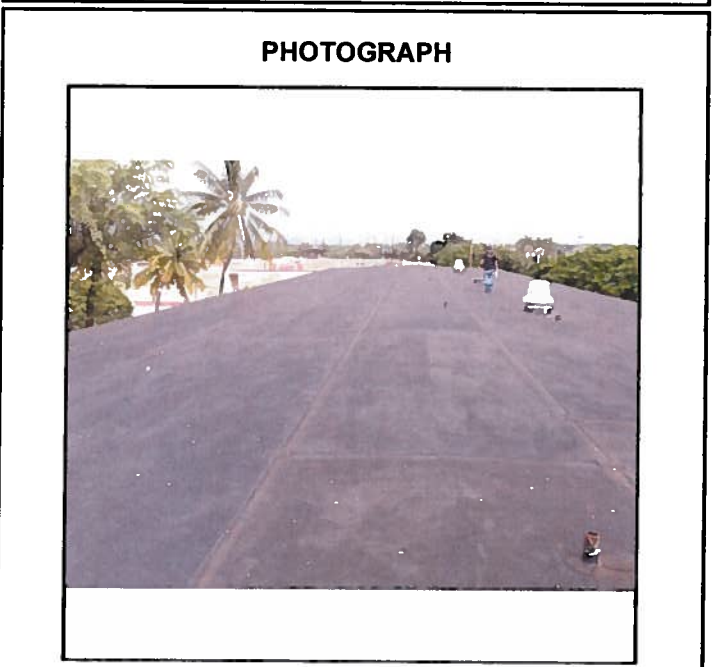
black weather membrane built up roof system

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1784-RA(L1)1, 311-1784-RA(L1)2, 311-1784-RA(L1)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1784	building 1784
------	---------------

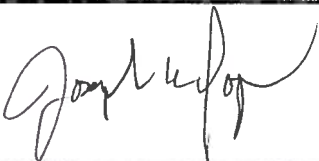
EMET ID

1408311

Sample Area/Lot Number and Name

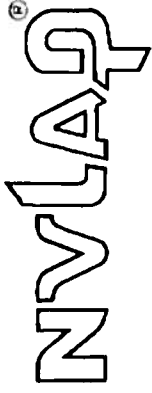
311-1784-RA(L1)	black weather membrane built up roof system
-----------------	---

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1784-RA(L1)1	0	black weather membrane built up roof system	See Sketch 311-1784-R
311-1784-RA(L1)2	0	black weather membrane built up roof system	See Sketch 311-1784-R
311-1784-RA(L1)3	0	black weather membrane built up roof system	See Sketch 311-1784-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 1784
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-1784-RA(L1) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-073	311-1784-RA(L)1	black	Yes	No	<1	-	-	misc. part.
311-076	311-1784-RA(L)2	black	Yes	No	<1	-	-	misc. part.
311-079	311-1784-RA(L)3	black	Yes	No	<1	-	-	misc. part.

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0. State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
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*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.
*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

EMET Services, Inc. 94-520 Uke'e Street, Suite A, Waipahu, Hawaii 96797 Phone: (808) 671-8383 FAX: (808) 6717979

Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1784 building 1784	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1784-RA (L2) black weather membrane built up roof system	311-1784-RA(L2)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

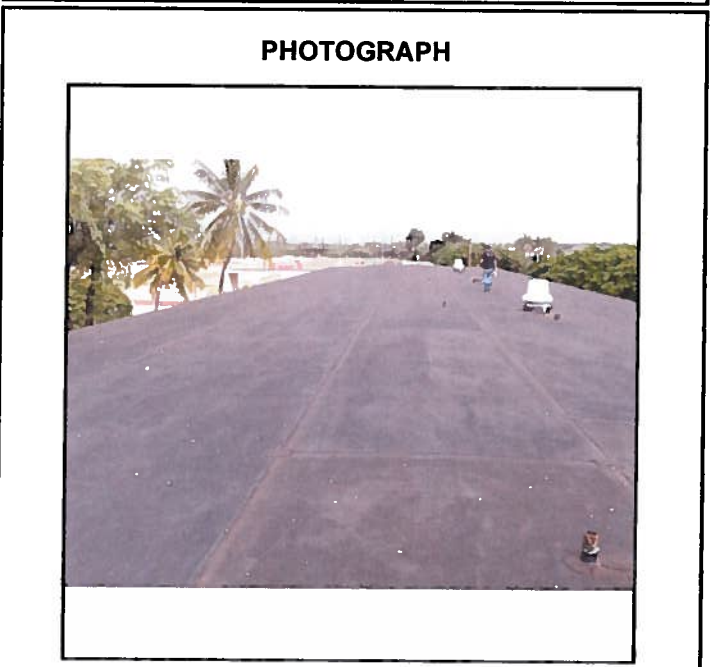
black weather membrane built up roof system

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1784-RA(L2)1, 311-1784-RA(L2)2, 311-1784-RA(L2)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1784	building 1784
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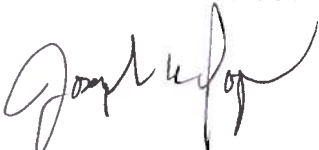
EMET ID

1408311

Sample Area/Lot Number and Name

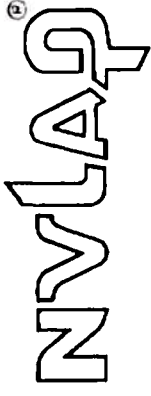
311-1784-RA(L2)	black weather membrane built up roof system
-----------------	---

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1784-RA(L2)1	0	black weather membrane built up roof system	See Sketch 311-1784-R
311-1784-RA(L2)2	0	black weather membrane built up roof system	See Sketch 311-1784-R
311-1784-RA(L2)3	0	black weather membrane built up roof system	See Sketch 311-1784-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 1784
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-1784-RA(L2) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-074	311-1784-RA(L2)1	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-077	311-1784-RA(L2)2	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-080	311-1784-RA(L2)3	black	Yes	No	<1	fibrous glass 20	misc. part. 80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1784 building 1784	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1784-RA(L3) black weather membrane built up roof system	
	Drawing/Sketch Number	311-1784-RA(L3)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

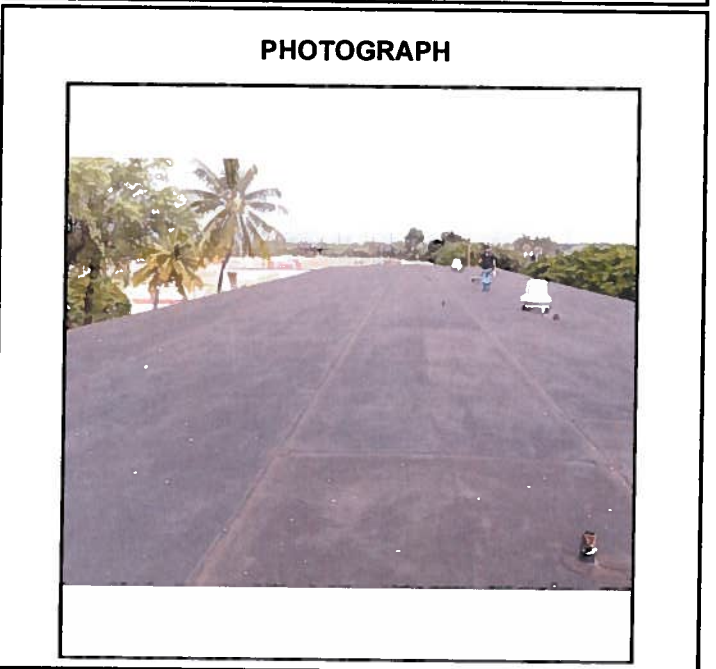
black weather membrane built up roof system

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1784-RA(L3)1, 311-1784-RA(L3)2, 311-1784-RA(L3)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1784	building 1784
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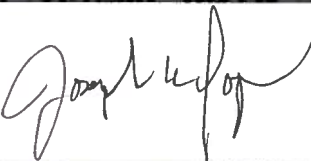
EMET ID

1408311

Sample Area/Lot Number and Name

311-1784-RA(L3)	black weather membrane built up roof system
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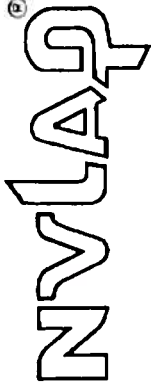
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1784-RA(L3)1	0	black weather membrane built up roof system	See Sketch 311-1784-R
311-1784-RA(L3)2	0	black weather membrane built up roof system	See Sketch 311-1784-R
311-1784-RA(L3)3	0	black weather membrane built up roof system	See Sketch 311-1784-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 1784

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory: *jk*

Sample/Homogeneous Area: 311-1784-RA(L3) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-075	311-1784-RA(L3)1	black	Yes	No	<1	cellulose 30	misc. part. 70	
311-078	311-1784-RA(L3)2	black	Yes	No	<1	cellulose 30	misc. part. 70	
311-081	311-1784-RA(L3)3	black	Yes	No	<1	cellulose 30	misc. part. 70	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1784 building 1784	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1784-RB white weather membrane roof coating	311-1784-RB
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

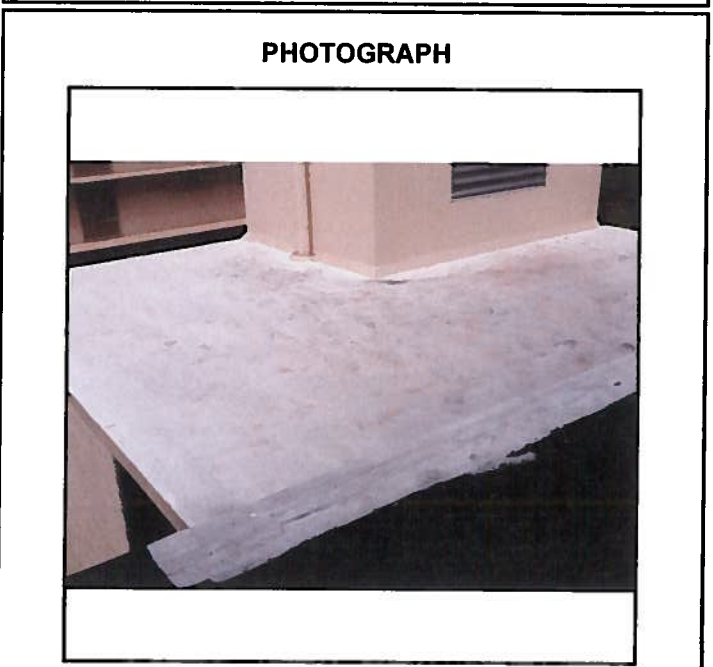
Location of Confirmed, Assumed, or New ACM within Building

white weather membrane roof coating	Not Applicable
-------------------------------------	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1784-RB1, 311-1784-RB2, 311-1784-RB3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1784	building 1784
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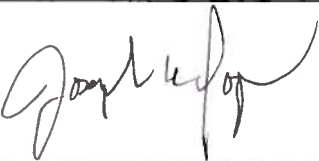
EMET ID

1408311

Sample Area/Lot Number and Name

311-1784-RB	white weather membrane roof coating
-------------	-------------------------------------

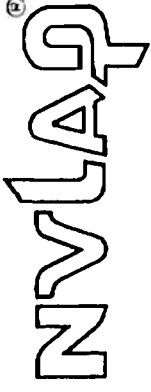
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1784-RB1	0	white weather membrane roof coating	See Sketch 311-1784-R
311-1784-RB2	0	white weather membrane roof coating	See Sketch 311-1784-R
311-1784-RB3	0	white weather membrane roof coating	See Sketch 311-1784-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 1784
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-1784-RB Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-082	311-1784-RB1	white	Yes	No	<1	-	misc. part. 100	
311-083	311-1784-RB2	white	Yes	No	<1	-	misc. part. 100	
311-084	311-1784-RB3	white	Yes	No	<1	-	misc. part. 100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0. State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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*Laboratory test report relates only to items tested.
*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1784 building 1784	1/15/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1784-RC black caulking	
	Drawing/Sketch Number	311-1784-RC

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

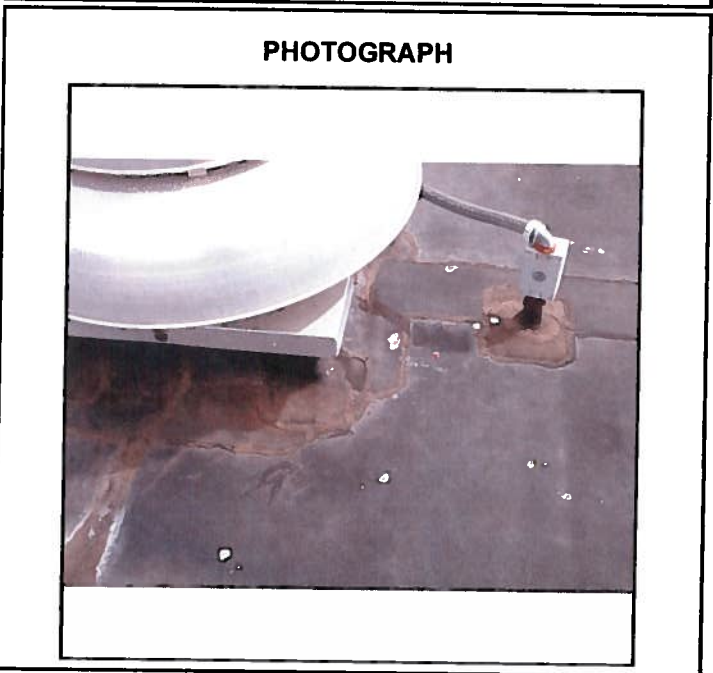
Location of Confirmed, Assumed, or New ACM within Building

black caulking	Not Applicable
----------------	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
Visible	Reachable	Texture
Barriers	Ventilation If Yes	Friable Surface
Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1784-RC1, 311-1784-RC2, 311-1784-RC3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1784	building 1784
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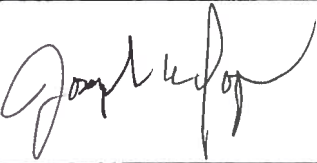
EMET ID

1408311

Sample Area/Lot Number and Name

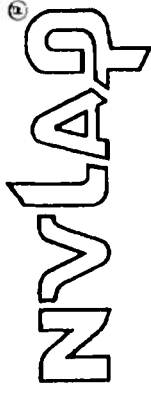
311-1784-RC	black caulking
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Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1784-RC1	0	black caulking	See Sketch 311-1784-R
311-1784-RC2	0	black caulking	See Sketch 311-1784-R
311-1784-RC3	0	black caulking	See Sketch 311-1784-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/15/2015

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 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 1784 NVLAP LAB CODE 101807-0
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-1784-RC Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-085	311-1784-RC1	black	Yes	No	<1	cellulose 1	misc. part. 99	
311-086	311-1784-RC2	black	Yes	No	<1	cellulose 1	misc. part. 99	
311-087	311-1784-RC3	black	Yes	No	<1	cellulose 1	misc. part. 99	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Building Information Sheet

Job Code /EMET ID	Client Name	Inspection date
1408311	Ferraro Choi	1/19/2015
Building Number	Bldg Name	No. of Floors Surveyed
1785	building 1785	0
	Location	No. of Other Levels Surveyed
	91 Enterprise Street Kapolei, HI 96707	1

Building Construction Type <input style="width: 100%; height: 20px;" type="text"/> Structural Concrete with: Metal Decks, Flat Slab, Beam/Joist or Waffle Slabs; Structural Tees Steel Frame Wood Frame Load Bearing Masonry	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 40%;">Building Use</th> <th style="width: 45%;">% Floor Space</th> </tr> </thead> <tbody> <tr> <td>Use #1</td> <td>offices</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Use #2</td> <td><input style="width: 90%;" type="text"/></td> <td style="text-align: center;"><input style="width: 80%;" type="text"/></td> </tr> <tr> <td>Use #3</td> <td><input style="width: 90%;" type="text"/></td> <td style="text-align: center;"><input style="width: 80%;" type="text"/></td> </tr> </tbody> </table> <p>Academic Classes, Administration Offices, Food Services, Dormitory, Mechanical Spaces, Gymnasium, Laboratory, Library, Residential or Other (Specify)</p>		Building Use	% Floor Space	Use #1	offices	100	Use #2	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>	Use #3	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>	ACBM PRESENT? <input style="width: 80%; height: 20px;" type="text" value="NO"/> YES = PRESENT NO = NOT PRESENT ASM = ASSUMED
	Building Use	% Floor Space												
Use #1	offices	100												
Use #2	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>												
Use #3	<input style="width: 90%;" type="text"/>	<input style="width: 80%;" type="text"/>												

Inspector Identification	Specific areas surveyed
Name: Joseph Iopa III State of HI Certification No. HIASB-0585 State of HI Certification Expiration Date: 4/25/2015 Building Inspector Certification Exp. Date: 2/28/2015	roof

Inspector Comments

EMET's scope of work was limited to the areas listed above in Specific Areas Surveyed. This report is not a specification for the removal of asbestos-containing material and should not be used as such. Results of the presence or absence of asbestos are based on the survey and on analyses of the suspect materials encountered. Original building plans and specifications were not available for review. Therefore, because of these limitations and the highly variable nature of building construction, the potential remains for undiscovered ACM. EMET makes no warranty and assumes no liability for the inappropriate use or misuse of this document.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	1785 building 1785	Building Location	1408311
For the ACM - Space Identified as:	311-1785-R	91 Enterprise Street Kapolei, HI 96707	Inspection Date: 1/19/2015

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present			Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC	PD		
311-1785-RA(L1)	white weather membrane built up roof system		YES	NO ACM						
311-1785-RA(L2)	white weather membrane built up roof system		YES	NO ACM						
311-1785-RA(L3)	white weather membrane built up roof system		YES	NO ACM						
311-1785-RA(L4)	white weather membrane built up roof system		YES	NO ACM						
311-1785-RB	gray caulking		YES	NO ACM						

*** Refers to Material Type and Damage Conditions**

I = Material Type:
 S = Surfacing
 M = Miscellaneous
 T = Thermal Systems

DC = Damage Condition:
 ND = No Damage
 D = Damaged
 SD = Significant Damage

PD = Potential Damage Condition:
 NPD = No Potential Damage
 PD = ACBM w/ Potential Damage
 PSD = Potential Significant Damage

**** Recommended Response Action:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP, or reduce potential for disturbance.
 - 3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Sample Area Report – Area Master

EMET ID 1408311	Building Number and Name 1785 building 1785	Inspection Date 1/19/2015
Document Number 	Material ID and Description 311-1785-RA (L1) white weather membrane built up roof system	Unified Sample Area Number 311-1785-RA(L1)
	Drawing/Sketch Number 	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

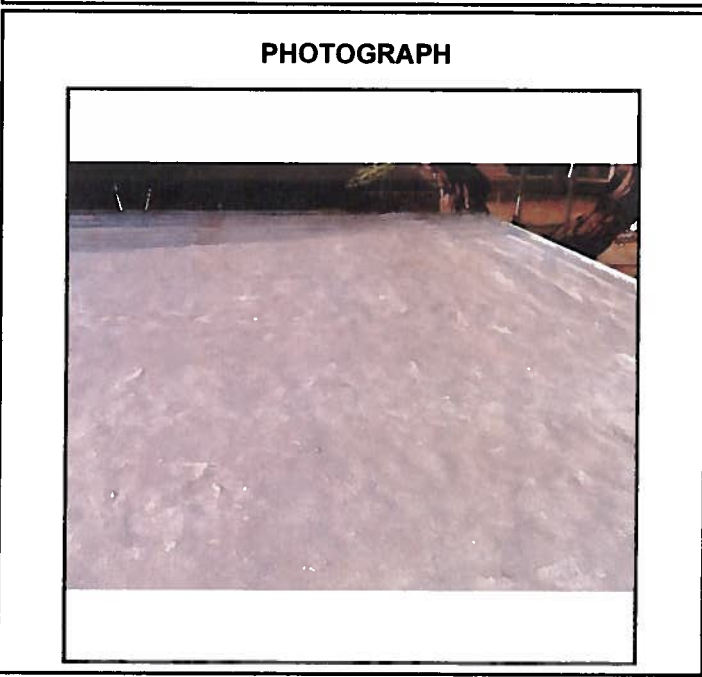
Location of Confirmed, Assumed, or New ACM within Building

white weather membrane built up roof system	Not Applicable
---	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	<input type="text"/> #2 <input type="text"/>
Square Feet of Ceiling Materials	<input type="text"/>
Square Feet of Wall Materials	<input type="text"/>
Square Feet of Floor Surface	<input type="text"/>
Linear Feet of TSI	<input type="text"/>
Square Feet of Structural Steel Coatings (including over-spray)	<input type="text"/>
Square Feet of Other ACM	<input type="text"/>
Linear Feet of Other ACM	<input type="text"/>
Total square and/or linear feet of ACM in this Sample Space: <input type="text"/>	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
		Friable Surface
		--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	<input type="text" value="3"/>
Total Number of Samples Analyzed	<input type="text" value="3"/>
ASBESTOS-CONTAINING MATERIAL ?	<input type="text" value="NO"/>
Samples Collected by	<input type="text" value="EMET"/>
Sample Numbers	<input type="text" value="311-1785-RA(L1)1, 311-1785-RA(L1)2, 311-1785-RA(L1)3"/>
Samples Analyzed by	<input type="text" value="EMET"/>
Number of Salient Designations	<input type="text"/>



Sample Log and Notes

Building Number and Name

1785	building 1785
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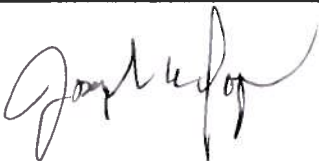
EMET ID

1408311

Sample Area/Lot Number and Name

311-1785-RA(L1)	white weather membrane built up roof system
-----------------	---

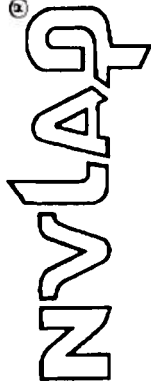
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1785-RA(L1)1	0	white weather membrane built up roof system	See Sketch 311-1785-R
311-1785-RA(L1)2	0	white weather membrane built up roof system	See Sketch 311-1785-R
311-1785-RA(L1)3	0	white weather membrane built up roof system	See Sketch 311-1785-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116




Client: Ferraro Choi

Building: building 1785

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory: 

Sample/Homogeneous Area: 311-1785-RA(L1)

Analysis Date: 1/23/2015

Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-088	311-1785-RA(L1)1	white	Yes	No	<1	-	misc. part. 100	
311-092	311-1785-RA(L1)2	white	Yes	No	<1	-	misc. part. 100	
311-096	311-1785-RA(L1)3	white	Yes	No	<1	-	misc. part. 100	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1785 building 1785	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1785-RA (L2) white weather membrane built up roof system	311-1785-RA(L2)
	Drawing/Sketch Number	

A Sample Area should contain material of one and only one composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

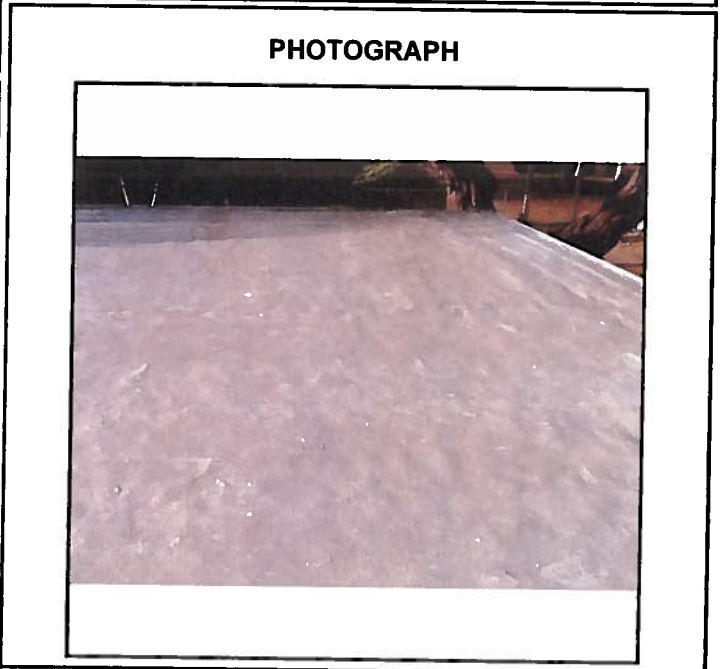
Location of Confirmed, Assumed, or New ACM within Building

white weather membrane built up roof system	Not Applicable
---	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1785-RA(L2)1, 311-1785-RA(L2)2, 311-1785-RA(L2)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1785	building 1785
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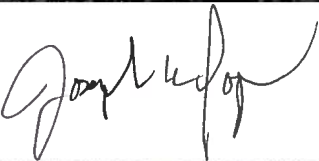
EMET ID

1408311

Sample Area/Lot Number and Name

311-1785-RA(L2)	white weather membrane built up roof system
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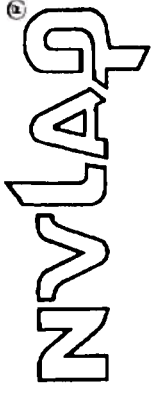
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1785-RA(L2)1	0	white weather membrane built up roof system	See Sketch 311-1785-R
311-1785-RA(L2)2	0	white weather membrane built up roof system	See Sketch 311-1785-R
311-1785-RA(L2)3	0	white weather membrane built up roof system	See Sketch 311-1785-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 1785
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-1785-RA(L2) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-089	311-1785-RA(L2)1	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-093	311-1785-RA(L2)2	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-097	311-1785-RA(L2)3	black	Yes	No	<1	fibrous glass 20	misc. part. 80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1785 building 1785	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1785-RA (L3) white weather membrane built up roof system	311-1785-RA(L3)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

white weather membrane built up roof system

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	<input style="width: 50px;" type="text"/>	#2	<input style="width: 50px;" type="text"/>
Square Feet of Ceiling Materials	<input style="width: 100%;" type="text"/>		
Square Feet of Wall Materials	<input style="width: 100%;" type="text"/>		
Square Feet of Floor Surface	<input style="width: 100%;" type="text"/>		
Linear Feet of TSI	<input style="width: 100%;" type="text"/>		
Square Feet of Structural Steel Coatings (including over-spray)	<input style="width: 100%;" type="text"/>		
Square Feet of Other ACM	<input style="width: 100%;" type="text"/>		
Linear Feet of Other ACM	<input style="width: 100%;" type="text"/>		
Total square and/or linear feet of ACM in this Sample Space:	<input style="width: 100%;" type="text"/>		

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
		Friable Surface
		--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	<input style="width: 50px;" type="text" value="3"/>
Total Number of Samples Analyzed	<input style="width: 50px;" type="text" value="3"/>
ASBESTOS-CONTAINING MATERIAL ?	<input style="width: 50px;" type="text" value="NO"/>
Samples Collected by	<input style="width: 50px;" type="text" value="EMET"/>
Sample Numbers	311-1785-RA(L3)1, 311-1785-RA(L3)2, 311-1785-RA(L3)3
Samples Analyzed by	<input style="width: 50px;" type="text" value="EMET"/>
Number of Salient Designations	<input style="width: 50px;" type="text"/>

PHOTOGRAPH



Sample Log and Notes

Building Number and Name

1785	building 1785
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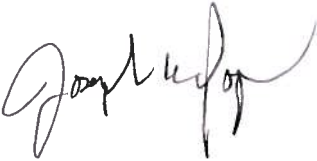
EMET ID

1408311

Sample Area/Lot Number and Name

311-1785-RA(L3)	white weather membrane built up roof system
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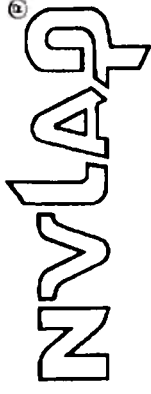
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1785-RA(L3)1	0	white weather membrane built up roof system	See Sketch 311-1785-R
311-1785-RA(L3)2	0	white weather membrane built up roof system	See Sketch 311-1785-R
311-1785-RA(L3)3	0	white weather membrane built up roof system	See Sketch 311-1785-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi

Building: building 1785

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory:

Sample/Homogeneous Area: 311-1785-RA(L3) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-090	311-1785-RA(L3)1	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-094	311-1785-RA(L3)2	black	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-098	311-1785-RA(L3)3	black	Yes	No	<1	fibrous glass 20	misc. part. 80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1785 building 1785	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1785-RA (L4) white weather membrane built up roof system	311-1785-RA(L4)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

white weather membrane built up roof system

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1	<input style="width: 50px;" type="text"/>	#2	<input style="width: 50px;" type="text"/>
Square Feet of Ceiling Materials	<input style="width: 100%;" type="text"/>		
Square Feet of Wall Materials	<input style="width: 100%;" type="text"/>		
Square Feet of Floor Surface	<input style="width: 100%;" type="text"/>		
Linear Feet of TSI	<input style="width: 100%;" type="text"/>		
Square Feet of Structural Steel Coatings (including over-spray)	<input style="width: 100%;" type="text"/>		
Square Feet of Other ACM	<input style="width: 100%;" type="text"/>		
Linear Feet of Other ACM	<input style="width: 100%;" type="text"/>		
Total square and/or linear feet of ACM in this Sample Space:	<input style="width: 100%;" type="text"/>		

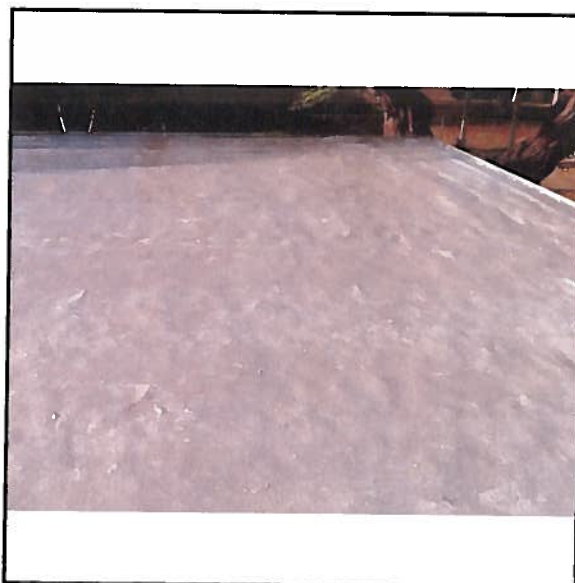
RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
<input style="width: 80%;" type="text" value="--"/>	<input style="width: 80%;" type="text" value="--"/>	<input style="width: 80%;" type="text" value="--"/>
Visible	Reachable	Texture
<input style="width: 80%;" type="text" value="--"/>	<input style="width: 80%;" type="text" value="--"/>	<input style="width: 80%;" type="text" value="--"/>
Barriers	Ventilation	If Yes
<input style="width: 80%;" type="text" value="--"/>	<input style="width: 40%;" type="text" value="--"/>	<input style="width: 40%;" type="text" value="--"/>
		Friable Surface
		<input style="width: 40%;" type="text" value="--"/> <input style="width: 40%;" type="text" value="--"/>
Air Movement	Proximity to Repair Items	Activity
<input style="width: 80%;" type="text" value="--"/>	<input style="width: 80%;" type="text" value="--"/>	<input style="width: 80%;" type="text" value="--"/>

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected	<input style="width: 50px;" type="text" value="3"/>
Total Number of Samples Analyzed	<input style="width: 50px;" type="text" value="3"/>
ASBESTOS-CONTAINING MATERIAL ?	<input style="width: 100px;" type="text" value="NO"/>
Samples Collected by	<input style="width: 100px;" type="text" value="EMET"/>
Sample Numbers	311-1785-RA(L4)1, 311-1785-RA(L4)2, 311-1785-RA(L4)3
Samples Analyzed by	<input style="width: 100px;" type="text" value="EMET"/>
Number of Salient Designations	<input style="width: 50px;" type="text"/>

PHOTOGRAPH



Sample Log and Notes

Building Number and Name

1785	building 1785
------	---------------


EMET ID

1408311

Sample Area/Lot Number and Name

311-1785-RA(L4)	white weather membrane built up roof system
-----------------	---

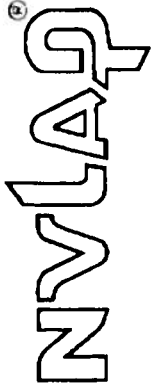
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1785-RA(L4)1	0	white weather membrane built up roof system	See Sketch 311-1785-R
311-1785-RA(L4)2	0	white weather membrane built up roof system	See Sketch 311-1785-R
311-1785-RA(L4)3	0	white weather membrane built up roof system	See Sketch 311-1785-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 1785
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-1785-RA(L4) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-091	311-1785-RA(L4)1	black	Yes	No	<1	cellulose 30	misc. part 70	
311-095	311-1785-RA(L4)2	black	Yes	No	<1	cellulose 30	misc. part 70	
311-099	311-1785-RA(L4)3	black	Yes	No	<1	cellulose 30	misc. part 70	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.
*Laboratory test report relates only to items tested.
*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1785 building 1785	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1785-RB gray caulking	
	Drawing/Sketch Number	311-1785-RB

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

gray caulking

Not Applicable

SAMPLING STRATEGY DATA

Ceiling Height #1 #2

Square Feet of Ceiling Materials

Square Feet of Wall Materials

Square Feet of Floor Surface

Linear Feet of TSI

Square Feet of Structural Steel Coatings (including over-spray)

Square Feet of Other ACM

Linear Feet of Other ACM

Total square and/or linear feet of ACM in this Sample Space:

RISK ASSESSMENT DETERMINATION

Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION

Total Number of Samples Collected

Total Number of Samples Analyzed

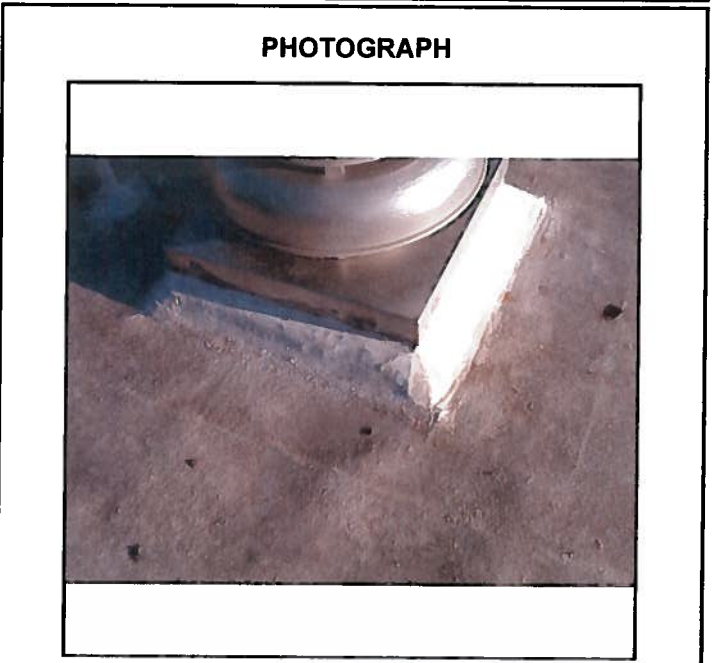
ASBESTOS-CONTAINING MATERIAL ?

Samples Collected by

Sample Numbers

Samples Analyzed by

Number of Salient Designations



Sample Log and Notes

Building Number and Name

1785	building 1785
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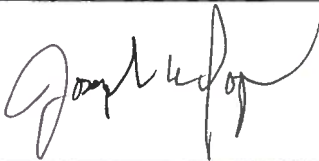
EMET ID

1408311

Sample Area/Lot Number and Name

311-1785-RB	gray caulking
-------------	---------------

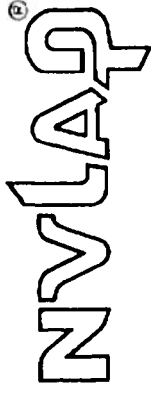
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1785-RB1	0	gray caulking	See Sketch 311-1785-R
311-1785-RB2	0	gray caulking	See Sketch 311-1785-R
311-1785-RB3	0	gray caulking	See Sketch 311-1785-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116




Client: Ferraro Choi

Building: building 1785

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory: 

Sample/Homogeneous Area: 311-1785-RB Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-100	311-1785-RB1	gray	Yes	No	<1	-	misc. part.	
311-101	311-1785-RB2	gray	Yes	No	<1	-	misc. part.	
311-102	311-1785-RB3	gray	Yes	No	<1	-	misc. part.	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U. S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Building Information Sheet

Job Code /EMET ID	Client Name	Inspection date
1408311	Ferraro Choi	1/19/2015
Building Number	Bldg Name	No. of Floors Surveyed
1788	building 1788	0
	Location	No. of Other Levels Surveyed
	91 Enterprise Street Kapolei, HI 96707	1

Building Construction Type	Building Use	% Floor Space	ACBM PRESENT?
<input style="width: 100%; height: 20px;" type="text"/> Structural Concrete with: Metal Decks, Flat Slab, Beam/Joist or Waffle Slabs; Structural Tees Steel Frame Wood Frame Load Bearing Masonry	Use #1 <input style="width: 80%;" type="text" value="offices"/>	<input style="width: 50%; height: 20px;" type="text" value="100"/>	<input style="width: 80%; height: 20px;" type="text" value="NO"/>
	Use #2 <input style="width: 80%;" type="text"/>	<input style="width: 50%; height: 20px;" type="text"/>	YES = PRESENT NO = NOT PRESENT ASM = ASSUMED
	Use #3 <input style="width: 80%;" type="text"/>	<input style="width: 50%; height: 20px;" type="text"/>	
	Academic Classes, Administration Offices, Food Services, Dormitory, Mechanical Spaces, Gymnasium, Laboratory, Library, Residential or Other (Specify)		

Inspector Identification	Specific areas surveyed
Name: Joseph Iopa III State of HI Certification No. HIASB-0585 State of HI Certification Expiration Date: 4/25/2015 Building Inspector Certification Exp. Date: 2/28/2015	roof

Inspector Comments

EMET's scope of work was limited to the areas listed above in Specific Areas Surveyed. This report is not a specification for the removal of asbestos-containing material and should not be used as such. Results of the presence or absence of asbestos are based on the survey and on analyses of the suspect materials encountered. Original building plans and specifications were not available for review. Therefore, because of these limitations and the highly variable nature of building construction, the potential remains for undiscovered ACM. EMET makes no warranty and assumes no liability for the inappropriate use or misuse of this document.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	1788 building 1788	Building Location	91 Enterprise Street Kapolei, HI 96707
For the ACM - Space Identified as:	311-1788-R	EMET ID	1408311
		Inspection Date:	1/19/2015

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present		Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC		
311-1788-RA(L1)	gray mineral capsheet built-up roof system		YES	NO ACM					
311-1788-RA(L2)	gray mineral capsheet built-up roof system		YES	NO ACM					
311-1788-RA(L3)	gray mineral capsheet built-up roof system		YES	NO ACM					
311-1788-RA(L4)	gray mineral capsheet built-up roof system		YES	NO ACM					
311-1788-RB	gray/black patch/sealant		YES	NO ACM					
311-1788-RC	gray patch/sealant		YES	NO ACM					

*** Refers to Material Type and Damage Conditions**

T = Material Type:
 S = Surfacing
 M = Miscellaneous
 T = Thermal Systems
DC = Damage Condition:
 ND = No Damage
 D = Damaged
 SD = Significant Damage
PD = Potential Damage Condition:
 NPD = No Potential Damage
 PD = ACBM w/ Potential Damage
 PSD = Potential Significant Damage

**** Recommended Response Action:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program.
 - 3-5. Remove or repair ASAP, or reduce potential for disturbance.
 - 3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Unified Homogeneous/Sample Area ACM - Space and Salient Cross Reference

Building ID and Name	1788 building 1788	Building Location	1408311
For the ACM - Space Identified as:	311-1788-R	91 Enterprise Street Kapolei, HI 96707	Inspection Date: 1/19/2015

Unified Sample Area	Homogeneous Sample Area or Salient Description	Comments	ACBM Present		Material Type*			Response Action	Estimated Cost to Remove
			Suspected	Confirmed	Friable	T	DC		
311-1788-RD	black caulking		YES	NO ACM					

*** Refers to Material Type and Damage Conditions**

T = Material Type:
 S = Surfacing
 M = Miscellaneous
 T = Thermal Systems
DC = Damage Condition:
 ND = No Damage
 D = Damaged
 SD = Significant Damage
PD = Potential Damage Condition:
 NPD = No Potential Damage
 PD = ACBM w/ Potential Damage
 PSD = Potential Significant Damage

**** Recommended Response Action:**

1. Isolate area and restrict access. Remove or repair ASAP.
 2. Continue Operations and Maintenance (O&M) program. Remove or repair ASAP, or reduce potential for disturbance.
 - 3-5. Repair, continue O&M. Lower number indicates higher priority if all repair cannot be done immediately.
 - 6-7. Continue O&M. Take preventive measures to reduce disturbance. Number indicates priority for removal.
 8. Continue O&M until major renovation or demolition requires removal under NESHAPS, or until hazard assessment factors change.
- Note: An O&M program may include enclosure and encapsulation.

Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1788 building 1788	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1788-RA (L1) gray mineral capsheet built-up roof system	
	Drawing/Sketch Number	311-1788-RA(L1)

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

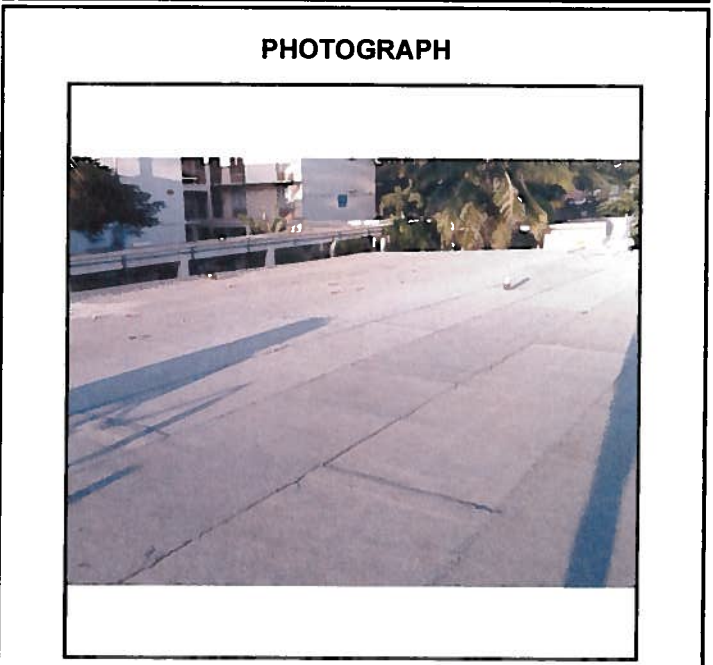
gray mineral capsheet built-up roof system

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1788-RA(L1)1, 311-1788-RA(L1)2, 311-1788-RA(L1)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1788	building 1788
------	---------------

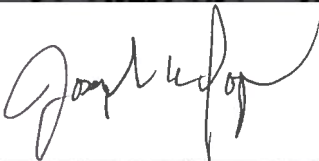
EMET ID

1408311

Sample Area/Lot Number and Name

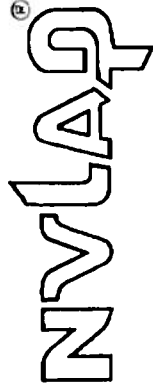
311-1788-RA(L1)	gray mineral capsheet built-up roof system
-----------------	--

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1788-RA(L1)1	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R
311-1788-RA(L1)2	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R
311-1788-RA(L1)3	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

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 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 1788 NVLAP LAB CODE 101807-0
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-1788-RA(L1) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-103	311-1788-RA(L1)1	gray	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-107	311-1788-RA(L1)2	gray	Yes	No	<1	fibrous glass 20	misc. part. 80	
311-111	311-1788-RA(L1)3	gray	Yes	No	<1	fibrous glass 20	misc. part. 80	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.
*Laboratory test report relates only to items tested.
*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1788 building 1788	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1788-RA(L2) gray mineral capsheet built-up roof system	311-1788-RA(L2)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

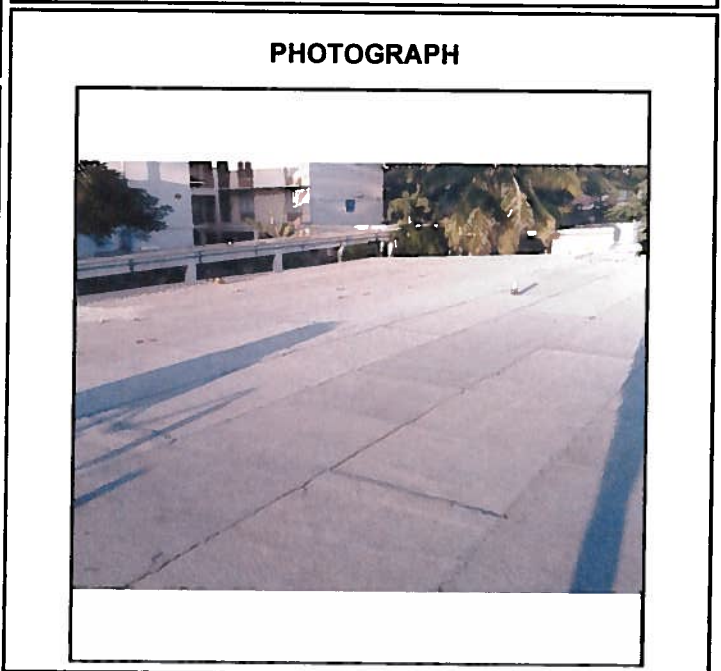
Location of Confirmed, Assumed, or New ACM within Building

gray mineral capsheet built-up roof system	Not Applicable
--	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	--	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1788-RA(L2)1, 311-1788-RA(L2)2, 311-1788-RA(L2)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1788	building 1788
------	---------------

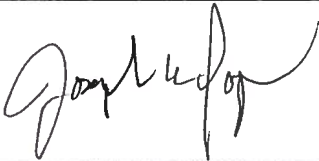
EMET ID

1408311

Sample Area/Lot Number and Name

311-1788-RA(L2)	gray mineral capsheet built-up roof system
-----------------	--

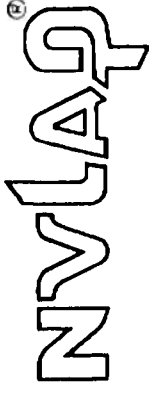
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1788-RA(L2)1	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R
311-1788-RA(L2)2	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R
311-1788-RA(L2)3	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 1788
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-1788-RA(L2) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-104	311-1788-RA(L2)1	black	Yes	No	<1	fibrous glass 25	misc. part 75	
311-108	311-1788-RA(L2)2	black	Yes	No	<1	fibrous glass 25	misc. part 75	
311-112	311-1788-RA(L2)3	black	Yes	No	<1	fibrous glass 25	misc. part 75	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

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*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory. Interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1788 building 1788	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1788-RA(L3) gray mineral capsheet built-up roof system	311-1788-RA(L3)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

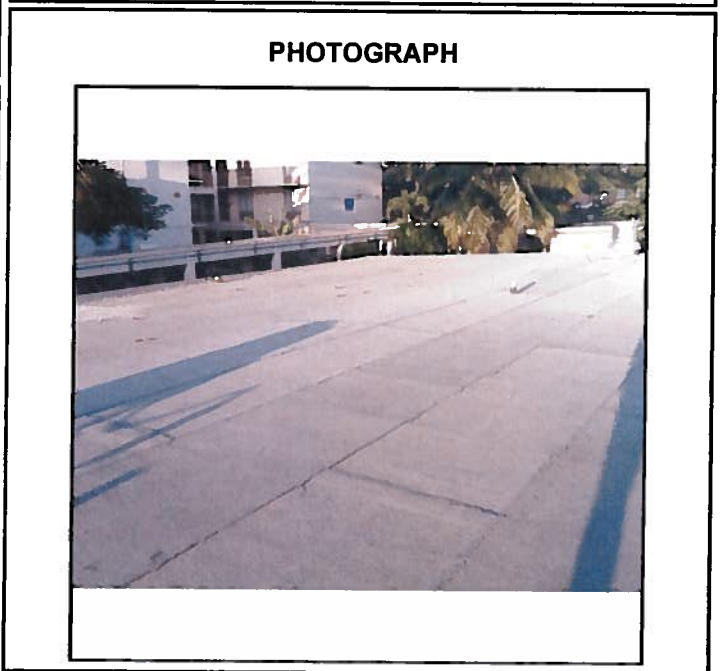
Location of Confirmed, Assumed, or New ACM within Building

gray mineral capsheet built-up roof system	Not Applicable
--	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	Friable Surface
--	If Yes --	--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1788-RA(L3)1, 311-1788-RA(L3)2, 311-1788-RA(L3)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1788	building 1788
------	---------------

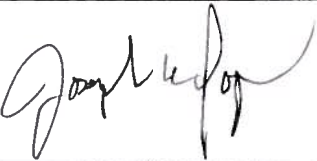
EMET ID

1408311

Sample Area/Lot Number and Name

311-1788-RA(L3)	gray mineral capsheet built-up roof system
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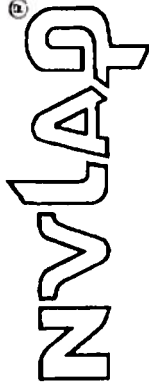
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1788-RA(L3)1	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R
311-1788-RA(L3)2	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R
311-1788-RA(L3)3	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116




Client: Ferraro Choi

Building: building 1788

NVLAP LAB CODE 101807-0

Address: 1240 Ala Moana Boulevard, Suite #510

Address: 91 Enterprise Street
Kapolei, HI 96707

Approved Signatory: 

Sample/Homogeneous Area: 311-1788-RA(L3) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-105	311-1788-RA(L3)1	black	Yes	No	<1	cellulose 30	misc. part. 70	
311-109	311-1788-RA(L3)2	black	Yes	No	<1	cellulose 30	misc. part. 70	
311-113	311-1788-RA(L3)3	black	Yes	No	<1	cellulose 30	misc. part. 70	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

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*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1788 building 1788	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1788-RA(L4) gray mineral capsheet built-up roof system	311-1788-RA(L4)
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

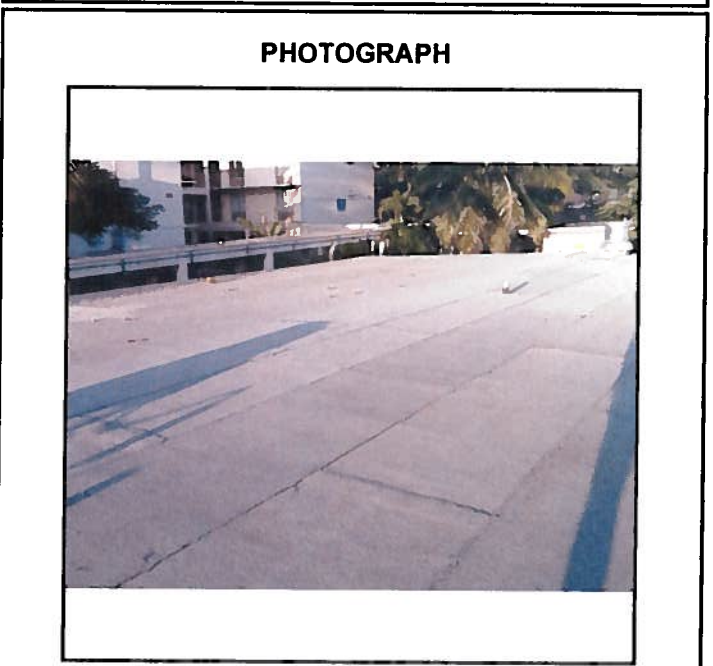
Location of Confirmed, Assumed, or New ACM within Building

gray mineral capsheet built-up roof system	Not Applicable
--	----------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
		Friable Surface
		--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1788-RA(L4)1, 311-1788-RA(L4)2, 311-1788-RA(L4)3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1788	building 1788
------	---------------

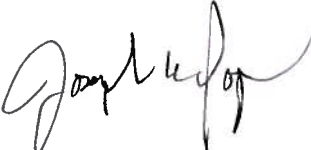
EMET ID

1408311

Sample Area/Lot Number and Name

311-1788-RA(L4)	gray mineral capsheet built-up roof system
-----------------	--

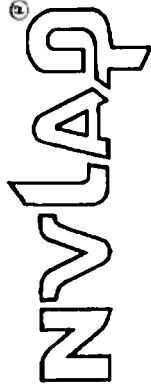
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1788-RA(L4)1	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R
311-1788-RA(L4)2	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R
311-1788-RA(L4)3	0	gray mineral capsheet built-up roof system	See Sketch 311-1788-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferrato Choi Building: building 1788 NVLAP LAB CODE 101807-0
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
Approved Signatory:

Sample/Homogeneous Area: 311-1788-RA(L4) Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-106	311-1788-RA(L4)1	gray	Yes	No	<1	cellulose	-	
311-110	311-1788-RA(L4)2	gray	Yes	No	<1	cellulose	-	
311-114	311-1788-RA(L4)3	gray	Yes	No	<1	cellulose	-	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report - Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1788 building 1788	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
[]	311-1788-RB gray/black patch/sealant	
	Drawing/Sketch Number	311-1788-RB
	[]	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

Unified Sample Area/Homogeneous Material

Location of Confirmed, Assumed, or New ACM within Building

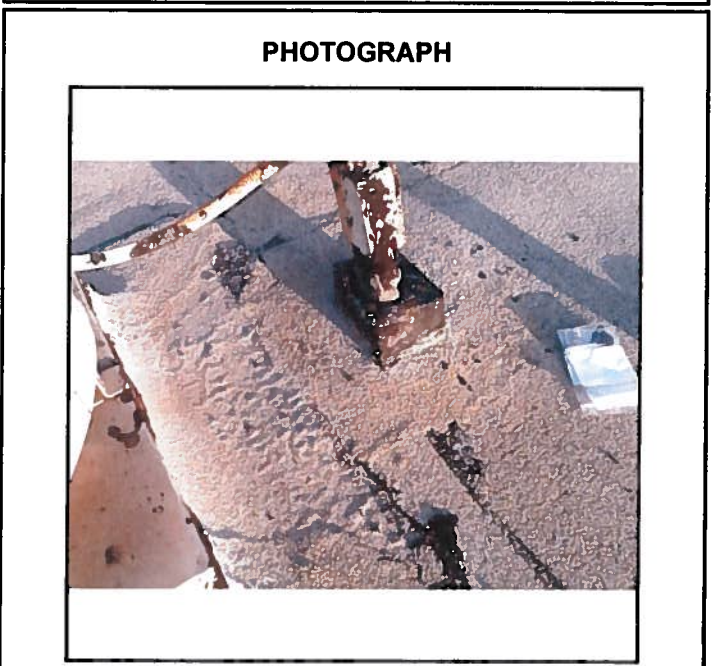
gray/black patch/sealant

Not Applicable

SAMPLING STRATEGY DATA	
Ceiling Height #1	[] #2 []
Square Feet of Ceiling Materials	[]
Square Feet of Wall Materials	[]
Square Feet of Floor Surface	[]
Linear Feet of TSI	[]
Square Feet of Structural Steel Coatings (including over-spray)	[]
Square Feet of Other ACM	[]
Linear Feet of Other ACM	[]
Total square and/or linear feet of ACM in this Sample Space: []	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation If Yes	Friable Surface
--	-- --	-- --
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	[3]
Total Number of Samples Analyzed	[3]
ASBESTOS-CONTAINING MATERIAL ?	[NO]
Samples Collected by	[EMET]
Sample Numbers	[311-1788-RB1, 311-1788-RB2, 311-1788-RB3]
Samples Analyzed by	[EMET]
Number of Salient Designations	[]



Sample Log and Notes

Building Number and Name

1788	building 1788
------	---------------

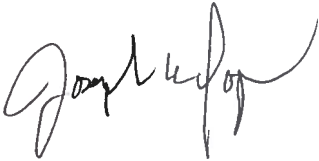
EMET ID

1408311

Sample Area/Lot Number and Name

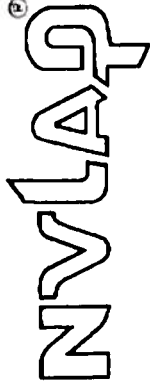
311-1788-RB	gray/black patch/sealant
-------------	--------------------------

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1788-RB1	0	gray/black patch/sealant	See Sketch 311-1788-R
311-1788-RB2	0	gray/black patch/sealant	See Sketch 311-1788-R
311-1788-RB3	0	gray/black patch/sealant	See Sketch 311-1788-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 1788
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-1788-RB Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-115	311-1788-RB1	gray/black	Yes	No	<1	fibrous glass 5	misc. part. 95	
311-116	311-1788-RB2	gray/black	Yes	No	<1	fibrous glass 5	misc. part. 95	
311-117	311-1788-RB3	gray/black	Yes	No	<1	fibrous glass 5	misc. part. 95	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.
State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.
Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

*Laboratory test report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.
*Laboratory test report relates only to items tested.
*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.
*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.
*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1788 building 1788	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1788-RC gray patch/sealant	
	Drawing/Sketch Number	311-1788-RC

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

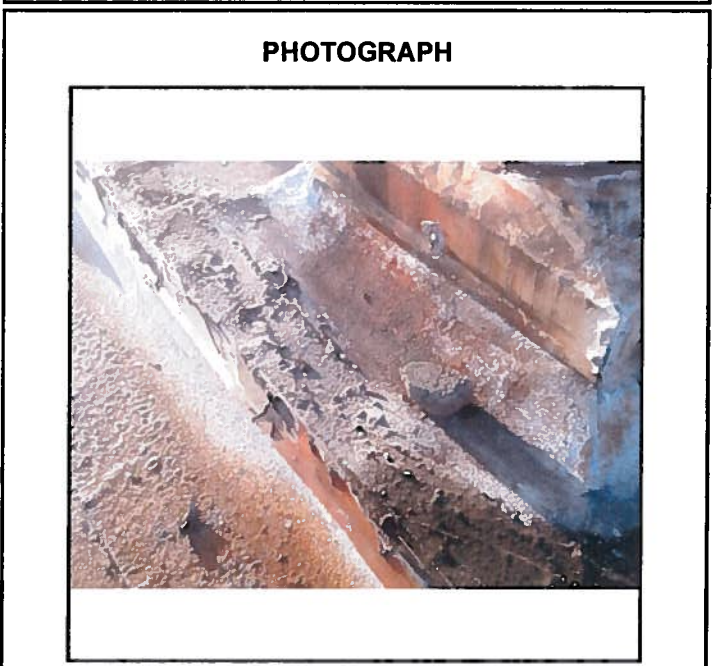
Location of Confirmed, Assumed, or New ACM within Building

Unified Sample Area/Homogeneous Material gray patch/sealant	Not Applicable
---	-----------------------

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
--	--	--
Visible	Reachable	Texture
--	--	--
Barriers	Ventilation	If Yes
--	--	--
		Friable Surface
		--
Air Movement	Proximity to Repair Items	Activity
--	--	--

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1788-RC1, 311-1788-RC2, 311-1788-RC3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1788	building 1788
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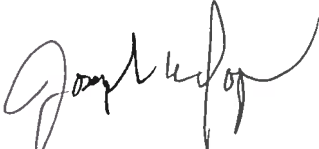
EMET ID

1408311

Sample Area/Lot Number and Name

311-1788-RC	gray patch/sealant
-------------	--------------------

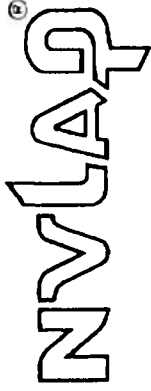
Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1788-RC1	0	gray patch/sealant	See Sketch 311-1788-R
311-1788-RC2	0	gray patch/sealant	See Sketch 311-1788-R
311-1788-RC3	0	gray patch/sealant	See Sketch 311-1788-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke`e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT

Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116



Client: Ferraro Choi Building: building 1788
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707
NVLAP LAB CODE 101807-0

Approved Signatory:

Sample/Homogeneous Area: 311-1788-RC Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-118	311-1788-RC1	gray	Yes	No	<1	cellulose 5	misc. part. 95	
311-119	311-1788-RC2	gray	Yes	No	<1	cellulose 5	misc. part. 95	
311-120	311-1788-RC3	gray	Yes	No	<1	cellulose 5	misc. part. 95	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

Note: EPA, OSHA, and HIOSH define "asbestos-containing material" as any material or product which contains more than one percent asbestos.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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Sample Area Report – Area Master

EMET ID	Building Number and Name	Inspection Date
1408311	1788 building 1788	1/19/2015
Document Number	Material ID and Description	Unified Sample Area Number
	311-1788-RD black caulking	311-1788-RD
	Drawing/Sketch Number	

A Sample Area should contain material of one, and only one, composition or matrix. An exception can be made in the case of layered applications of materials, such as occurs with a Three Coat Plaster system, that generally matches the same physical locations. Special care must be taken while collecting samples of layered materials, to enable the analysis to discern the several matrices present. Such conditions should be described in detail on the Sample Notes form for the analyst.

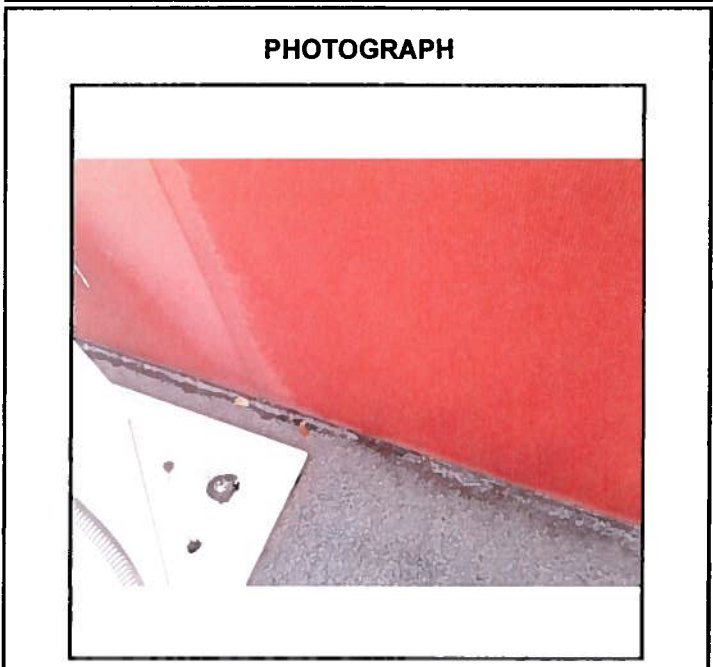
Location of Confirmed, Assumed, or New ACM within Building

Unified Sample Area/Homogeneous Material black caulking	Location of Confirmed, Assumed, or New ACM within Building Not Applicable
---	---

SAMPLING STRATEGY DATA	
Ceiling Height #1	#2
Square Feet of Ceiling Materials	
Square Feet of Wall Materials	
Square Feet of Floor Surface	
Linear Feet of TSI	
Square Feet of Structural Steel Coatings (including over-spray)	
Square Feet of Other ACM	
Linear Feet of Other ACM	
Total square and/or linear feet of ACM in this Sample Space:	

RISK ASSESSMENT DETERMINATION		
Physical Condition	Potential Damage	Water Damage
Visible	Reachable	Texture
Barriers	Ventilation If Yes	Friable Surface
Air Movement	Proximity to Repair Items	Activity

SAMPLE ANALYSIS SUMMARY SECTION	
Total Number of Samples Collected	3
Total Number of Samples Analyzed	3
ASBESTOS-CONTAINING MATERIAL ?	NO
Samples Collected by	EMET
Sample Numbers	311-1788-RD1, 311-1788-RD2, 311-1788-RD3
Samples Analyzed by	EMET
Number of Salient Designations	



Sample Log and Notes

Building Number and Name

1788	building 1788
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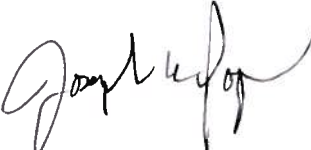
EMET ID

1408311

Sample Area/Lot Number and Name

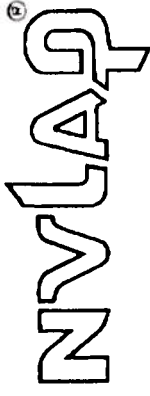
311-1788-RD	black caulking
-------------	----------------

Sample Number	% Asbestos	Description of Sampled Material	Sample Location
311-1788-RD1	0	black caulking	See Sketch 311-1788-R
311-1788-RD2	0	black caulking	See Sketch 311-1788-R
311-1788-RD3	0	black caulking	See Sketch 311-1788-R

Inspector's Name	Signature	Date Samples Collected
Joseph Iopa III		1/19/2015

EMET Services, Inc. 94-520 Uke'e Street, Suite A Waipahu, HI 96797
 Phone (808) 671-8383 Fax (808) 671-7979

LABORATORY REPORT



Asbestos Bulk Sample Analysis by Polarized Light Microscopy
in accordance with Test Methods EPA 600/M4-82-020 and EPA 600/9-93/116

Client: Ferraro Choi Building: building 1788 NVLAP LAB CODE 101807-0
Address: 1240 Ala Moana Boulevard, Suite #510 Address: 91 Enterprise Street Kapolei, HI 96707

Approved Signatory: *[Signature]*

Sample/Homogeneous Area: 311-1788-RD Analysis Date: 1/23/2015 Report Date: 1/23/2015

Lab ID	Sample ID	Color	homogeneity	Asbestos Present	Asbestos (Type) Area %	Fibrous Components Area %	Non-fibrous Components Area %	comments
311-121	311-1788-RD1	black	Yes	No	<1	cellulose 2	misc. part. 98	
311-122	311-1788-RD2	black	Yes	No	<1	cellulose 2	misc. part. 98	
311-123	311-1788-RD3	black	Yes	No	<1	cellulose 2	misc. part. 98	

Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for the scope specific under Lab Code 101807-0.

State of Hawaii Asbestos Requirements mandates all samples to be collected by a certified Asbestos Inspector in accordance with § 11-501, 11-502, and 11-504. Results of samples collected by someone other than a certified Asbestos Inspector may be invalid.

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*Laboratory test report relates only to items tested.

*Asbestos fiber percentage is approximate - performed by visual observation only, unless otherwise indicated.

*This method is not reliable for analysis of tile or other materials when fiber size is less than 10 microns and/or below detection limit (appr. 1%) of current PLM techniques.

*Samples analyzed as received by the laboratory, interpretation is responsibility of the client.

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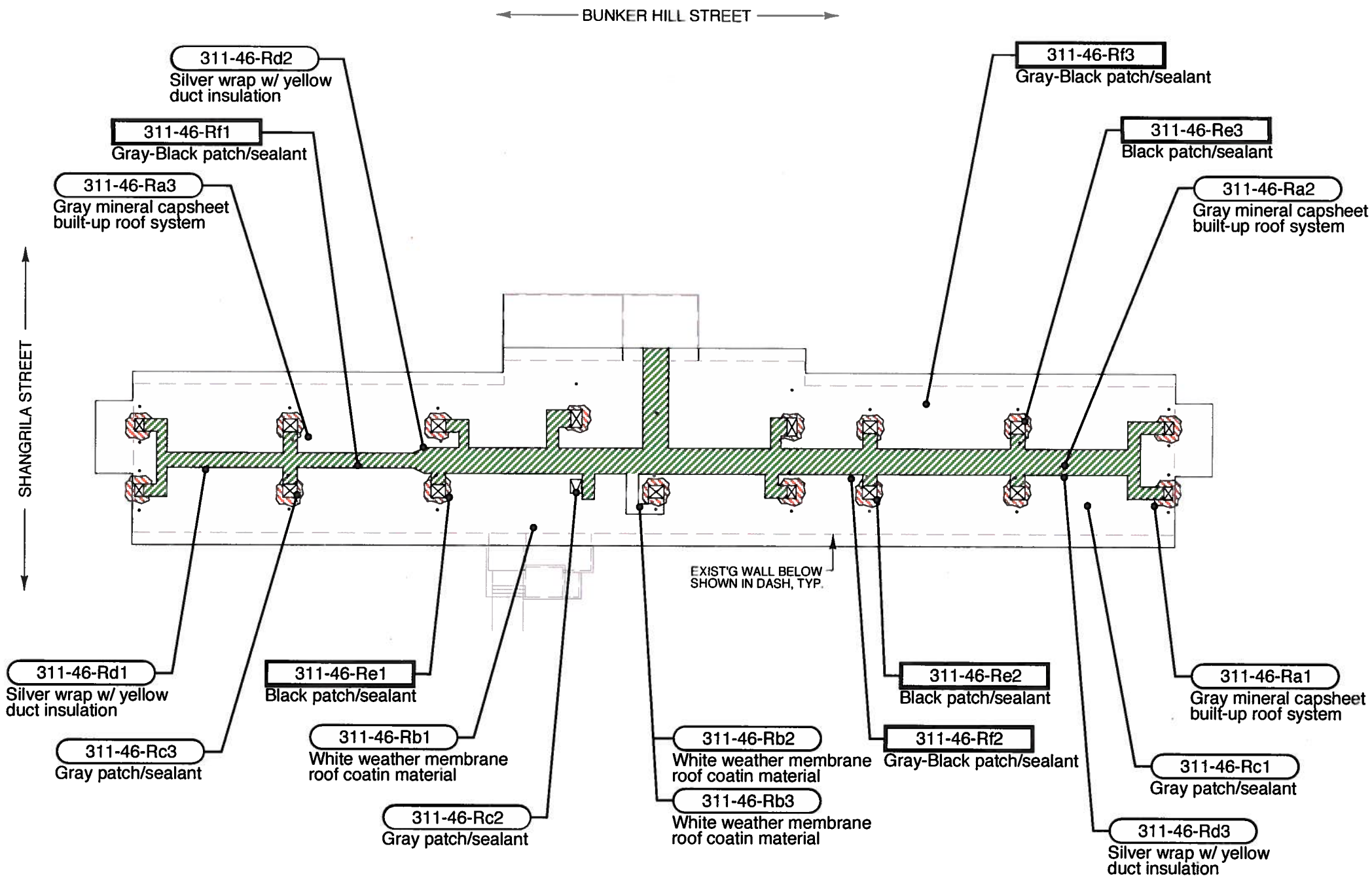
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Appendix B

Asbestos Survey Sample Locations Sketch

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
46	BUILDING 46	91 ENTERPRISE STREET KAPOLEI, HI 96707	311-46-R 1 OF 1



LEGEND

ACM: SAMPLE #

NON-ACM: SAMPLE #

VTR (VENT THROUGH ROOF)

HATCH

ASBESTOS-CONTAINING MATERIALS (ACM)* :
 *ACM are described in this Legend in **boldface** text, Non-ACM (listed here only if layered with ACM) are described in plain text.

SAMPLE AREA 311-46-RE: BLACK PATCH/SEALANT**

SAMPLE AREA 311-46-RF: GRAY-BLACK PATCH/SEALANT

*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.

THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.

** DUE TO SMALL SIZES OF SOME MATERIAL OCCURENCES, LOCATIONS OF ACM SHOWN GRAPHICALLY OR LISTED VERBALLY HERE MAY NOT BE EXHAUSTIVE. CONTRACTOR SHOULD SITE-VERIFY ACM LOCATIONS AND EXTENT PRIOR TO BIDDING AND ABATEMENT.

HAWAII AIR NATIONAL GAURD (DEPARTMENT OF DEFENSE)
 BUILDING "46" - ROOF PLAN (MAIN/ HIGHER ROOF)
 NOT TO SCALE

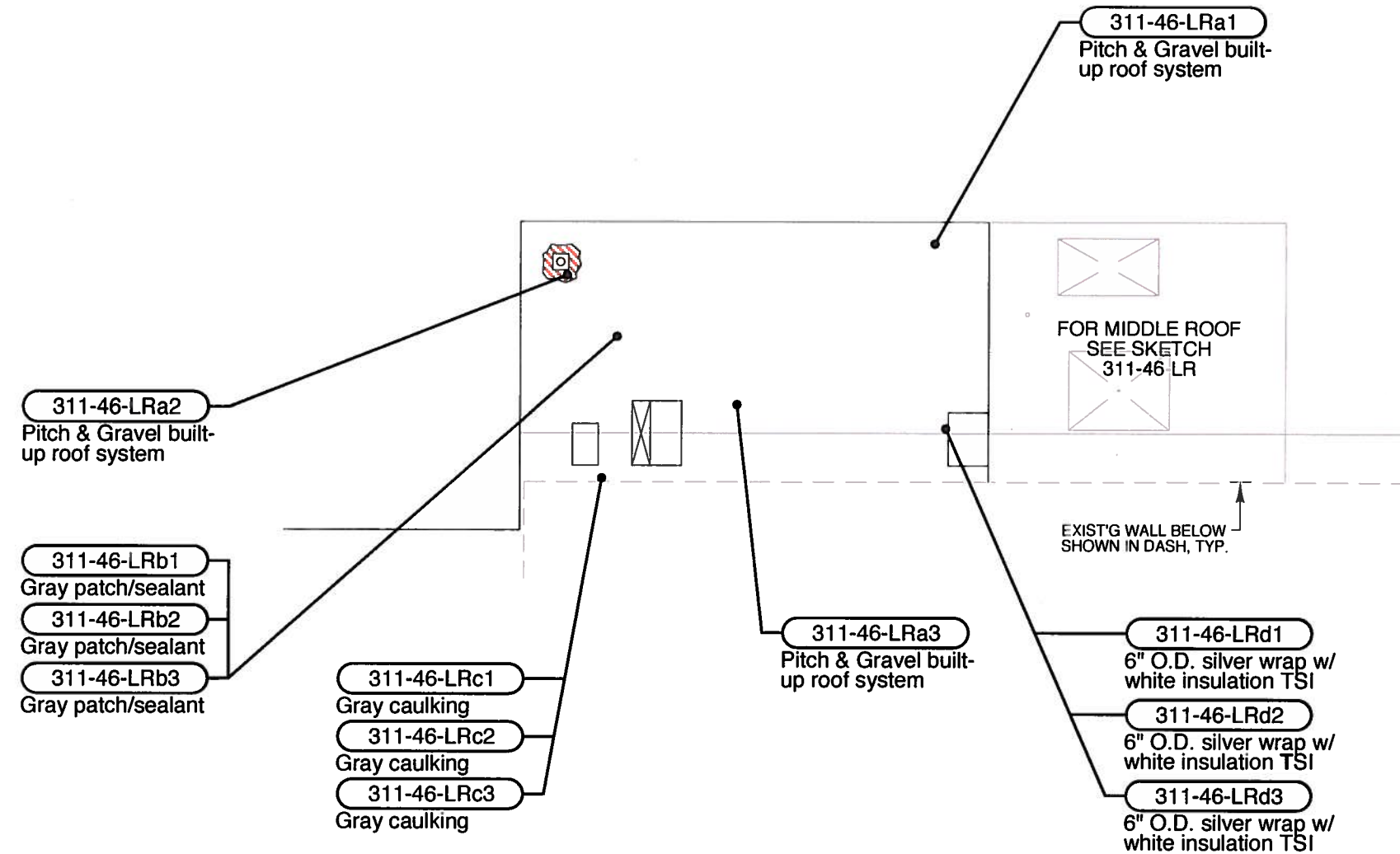
EMET I.D. #1408311

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
46	BUILDING 46	91 ENTERPRISE STREET KAPOLEI, HI 96707	311-46-LR 1 OF 1

LEGEND

<p>ACM: SAMPLE #</p> <p>NON-ACM: SAMPLE #</p>	 NORTH
<p> FUME PIPE</p> <p> GOOSENECK VENT</p>	
<p>ASBESTOS-CONTAINING MATERIALS (ACM)* : *ACM are described in this Legend in boldface text; Non-ACM (listed here only if layered with ACM) are described in plain text.</p> <p> SAMPLE AREA 311-46-LRB: GRAY PATCH/SEALANT **</p> <p>*ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.</p> <p>THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.</p> <p>** DUE TO SMALL SIZES OF SOME MATERIAL OCCURENCES, LOCATIONS OF ACM SHOWN GRAPHICALLY OR LISTED VERBALLY HERE MAY NOT BE EXHAUSTIVE. CONTRACTOR SHOULD SITE-VERIFY ACM LOCATIONS AND EXTENT PRIOR TO BIDDING AND ABATEMENT.</p>	

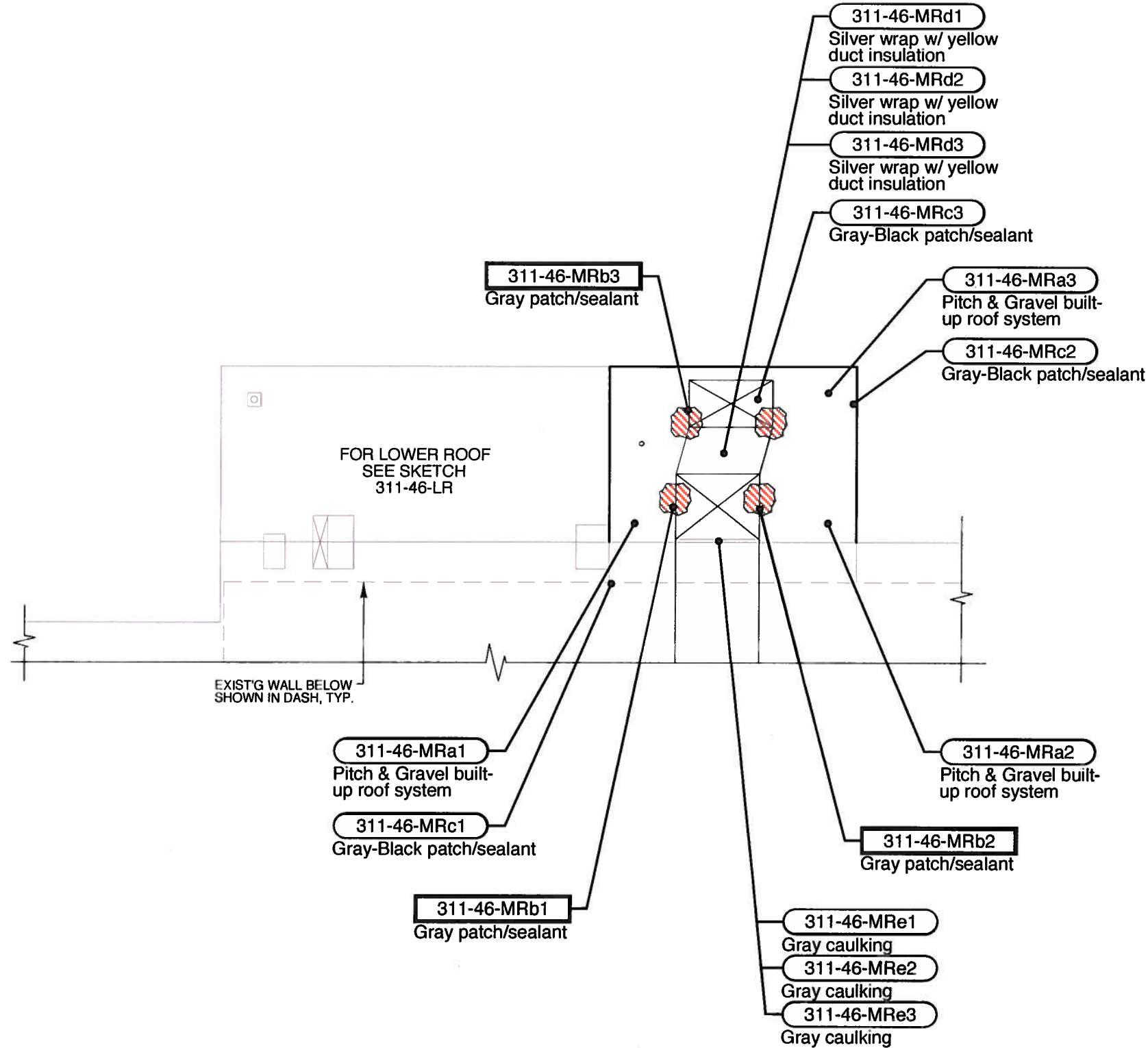


HAWAII AIR NATIONAL GAURD (DEPARTMENT OF DEFENSE)
BUILDING "46" - ROOF PLAN (LOWER ROOF)
 NOT TO SCALE

EMET I.D. #1408311

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
46	BUILDING 46	91 ENTERPRISE STREET KAPOLEI, HI 96707	311-46-MR 1 OF 1



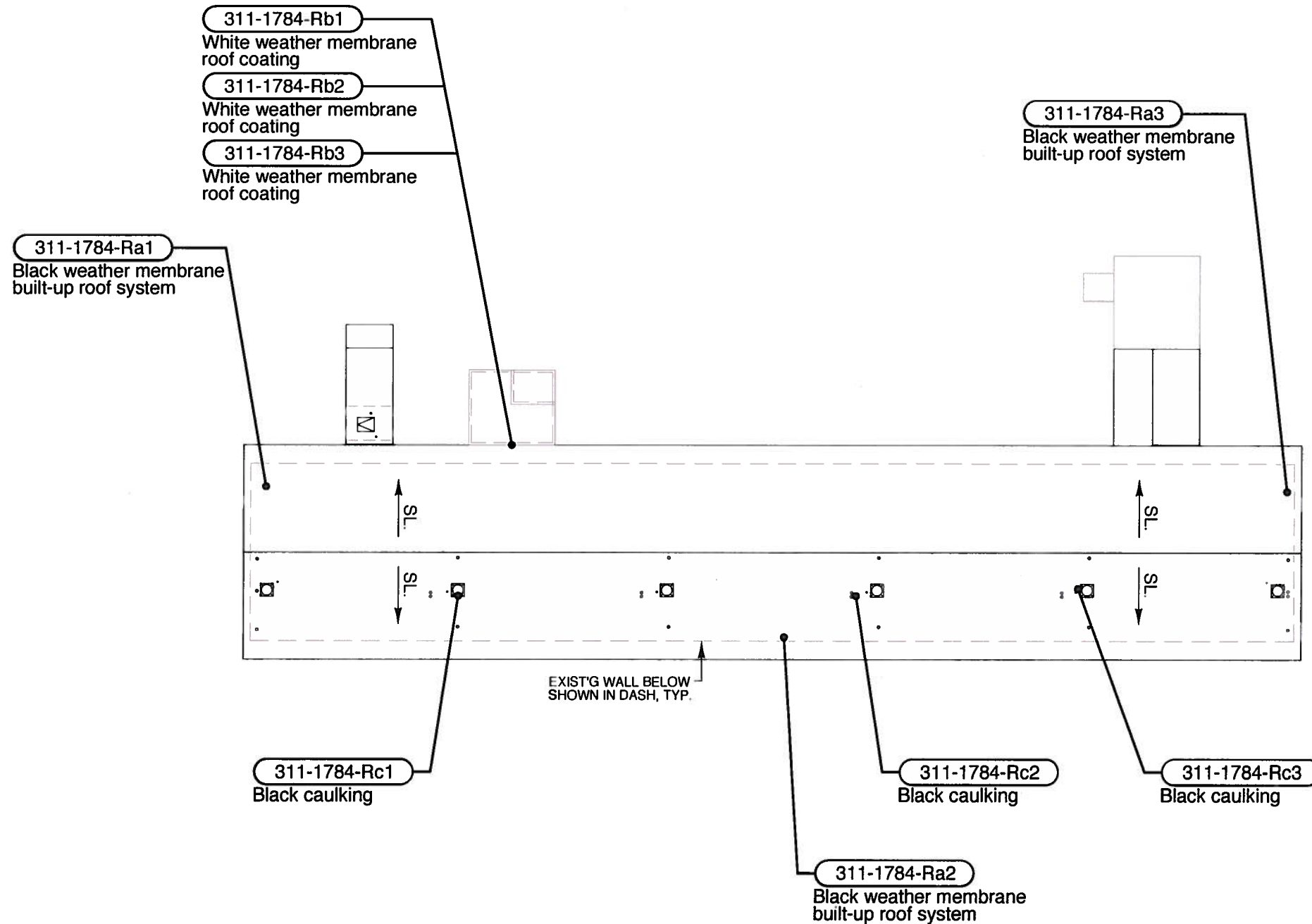
LEGEND	
ACM:	SAMPLE #
NON-ACM:	SAMPLE #
<p>NORTH</p>	
<p>VTR (VENT THROUGH ROOF)</p>	
<p>ASBESTOS-CONTAINING MATERIALS (ACM)* : *ACM are described in this Legend in boldface text; Non-ACM (listed here only if layered with ACM) are described in plain text.</p> <p> SAMPLE AREA 311-46-MRB: GRAY PATCH/SEALANT **</p> <p>* ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.</p> <p>THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.</p> <p>** DUE TO SMALL SIZES OF SOME MATERIAL OCCURENCES, LOCATIONS OF ACM SHOWN GRAPHICALLY OR LISTED VERBALLY HERE MAY NOT BE EXHAUSTIVE. CONTRACTOR SHOULD SITE-VERIFY ACM LOCATIONS AND EXTENT PRIOR TO BIDDING AND ABATEMENT.</p>	

HAWAII AIR NATIONAL GAURD (DEPARTMENT OF DEFENSE)
 BUILDING "46" - ROOF PLAN (MIDDLE ROOF)
 NOT TO SCALE

EMET I.D. #1408311

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
1784	BUILDING 1784	91 ENTERPRISE STREET KAPOLEI, HI 96707	311-1784-R 1 OF 1



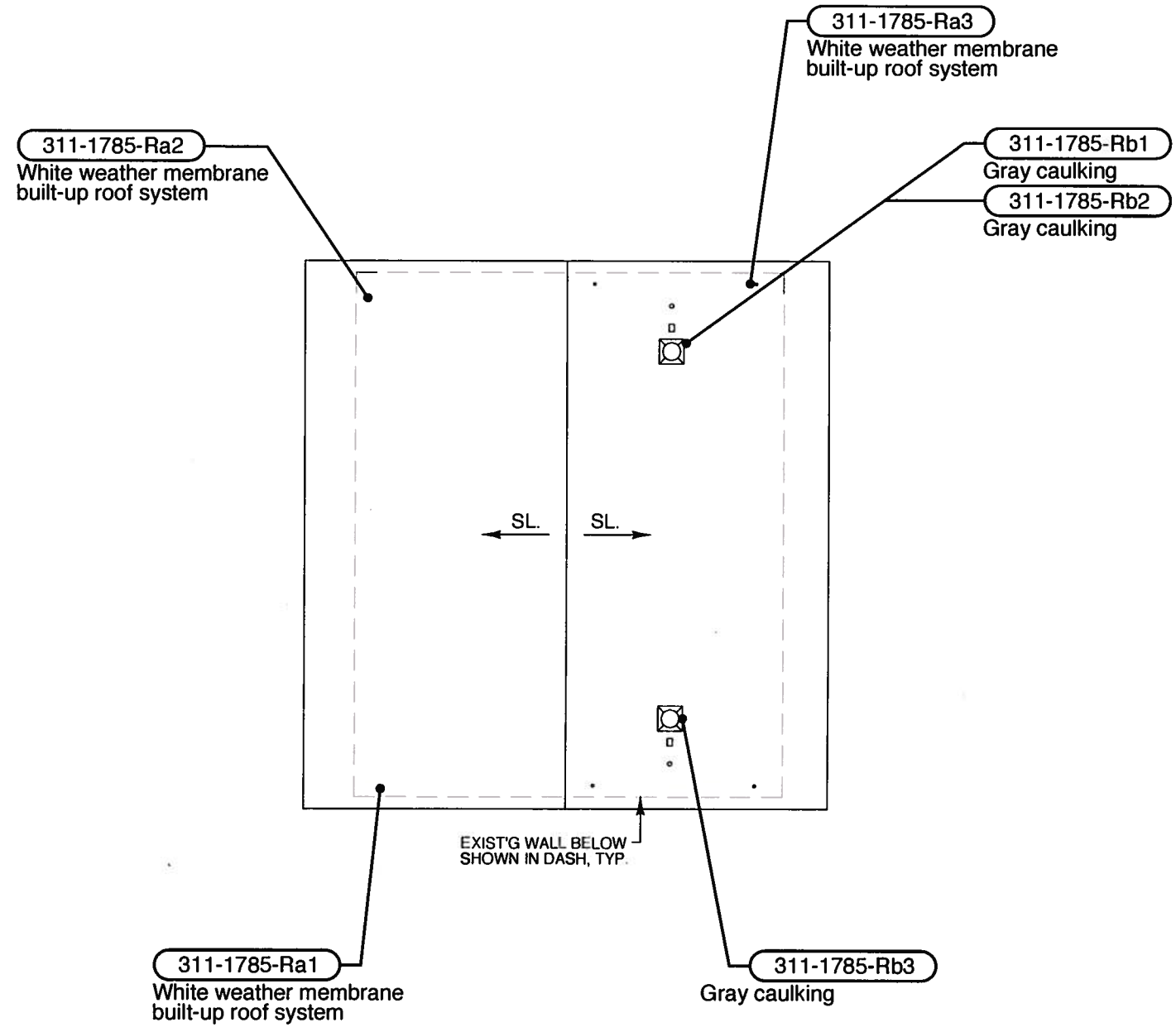
LEGEND	
ACM:	SAMPLE #
NON-ACM:	SAMPLE #
NORTH	
	VTR (VENT THROUGH ROOF)
	EXHAUST FAN
	HATCH
ASBESTOS-CONTAINING MATERIALS (ACM)* :	
NO ACM DETECTED IN AREAS SAMPLED	
<p>* ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.</p> <p>THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.</p>	

HAWAII AIR NATIONAL GAURD (DEPARTMENT OF DEFENSE)
 BUILDING "1784" - ROOF PLAN
 NOT TO SCALE

EMET I.D. #1408311

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
1785	BUILDING 1785	91 ENTERPRISE STREET KAPOLEI, HI 96707	311-1785-R 1 OF 1



BLDG. 1788
↓

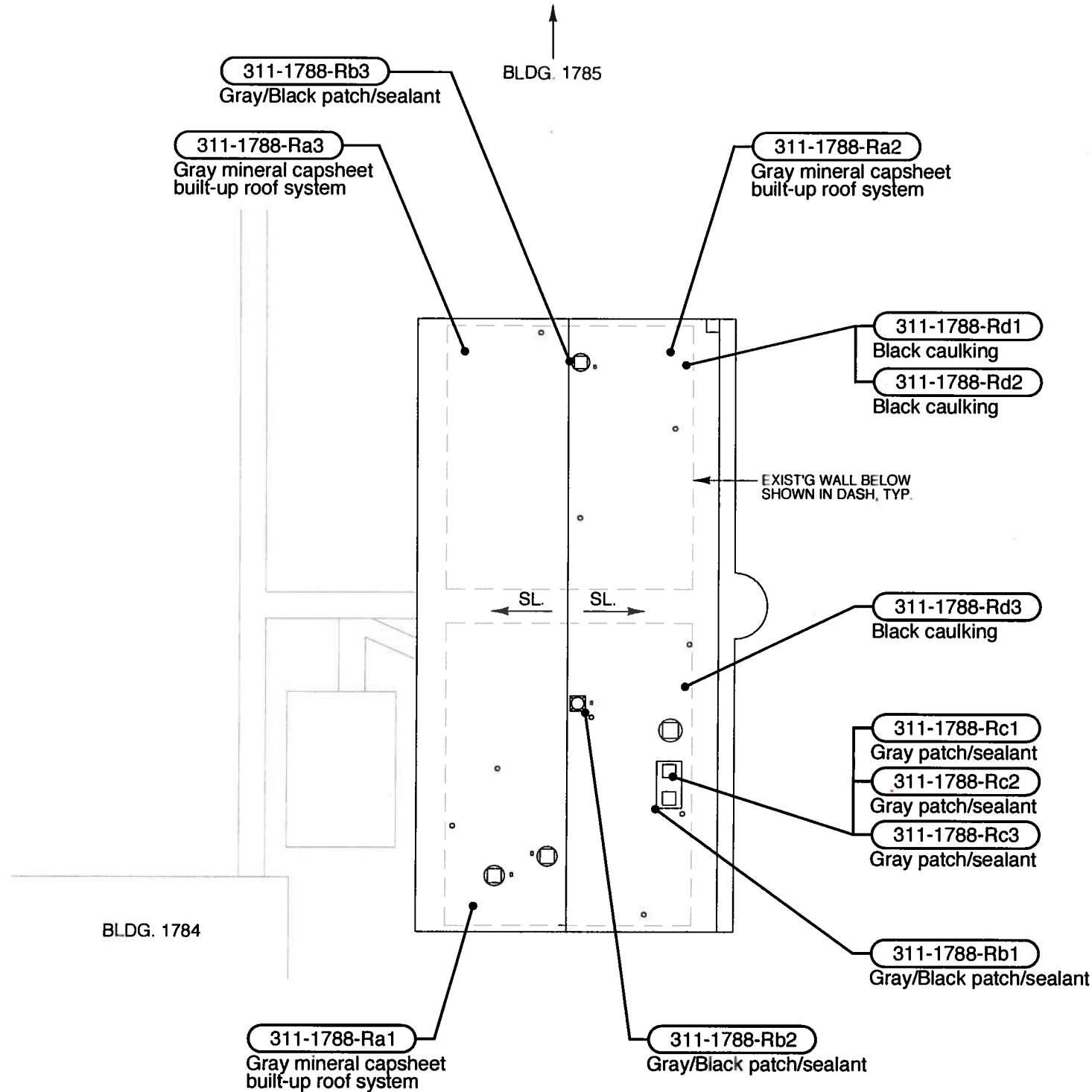
LEGEND	
ACM:	SAMPLE #
NON-ACM:	SAMPLE #
VTR (VENT THROUGH ROOF)	
EXHAUST FAN	
 NORTH	
<p>ASBESTOS-CONTAINING MATERIALS (ACM)* :</p> <p align="center">NO ACM DETECTED IN AREAS SAMPLED</p> <p>* ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.</p> <p>THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.</p>	

HAWAII AIR NATIONAL GAURD (DEPARTMENT OF DEFENSE)
BUILDING "1785" - ROOF PLAN
 NOT TO SCALE

EMET I.D. #1408311

ASBESTOS SAMPLE LOCATION PLAN

BLDG #	NAME OF BUILDING	ADDRESS	SKETCH #
1788	BUILDING 1788	91 ENTERPRISE STREET KAPOLEI, HI 96707	311-1788-R 1 OF 1



LEGEND	
<p>ACM: SAMPLE #</p> <p>NON-ACM: SAMPLE #</p>	 NORTH
<p>○ VTR (VENT THROUGH ROOF)</p> <p> OR EXHAUST FAN</p>	
<p>ASBESTOS-CONTAINING MATERIALS (ACM)* :</p> <p style="margin-top: 20px;">NO ACM DETECTED IN AREAS SAMPLED</p> <p style="font-size: small; margin-top: 20px;">* ASBESTOS-CONTAINING MATERIAL (ACM) IS DEFINED AS ANY MATERIAL CONTAINING > 1 % ASBESTOS.</p> <p style="font-size: x-small; margin-top: 10px;">THIS SURVEY WAS LIMITED IN SCOPE TO SPECIFIC AREAS AFFECTED BY PLANNED RENOVATION ACTIVITIES ONLY; THEREFORE, THIS REPORT MAKES NO WARRANTY FOR AREAS OF THE BUILDING WHICH WERE NOT INCLUDED IN THE SCOPE OF THE SURVEY.</p>	

HAWAII AIR NATIONAL GAURD (DEPARTMENT OF DEFENSE)
 BUILDING "1788" - ROOF PLAN
 NOT TO SCALE

EMET I.D. #1408311

Appendix C

Lead Survey Report



Laboratory Report

Painted Surfaces Total Elemental Lead Analyses by X-Ray Fluorescence

EMET ID: 1408311

Test Date: February 13, 2015

State of Hawaii - Department of Defense - Roor Repair/Replacement

Client Job No. CA-1419-D

XRF#	Location	Component	Substrate	Condition	Color	PbC (mg/cm ²)	Lead-based Paint?	Lead- containing Paint?
681	Calibration					1.00 ± 0.10		
682	Calibration					1.00 ± 0.10		
683	Calibration					1.00 ± 0.10		
684	building 46, low roof	flashing	metal	fair	beige	0.00 ± 0.02	no	yes
685	building 46, low roof	wall	CMU	fair	beige	0.40 ± 0.60	no	yes
686	building 46, middle roof	flashing	metal	fair	beige	0.00 ± 0.02	no	yes
687	building 46, middle roof	wall	CMU	fair	beige	0.00 ± 0.02	no	yes
688	building 46, middle roof	duct post	metal	intact	gray	0.04 ± 0.11	no	yes
689	building 46, high roof	duct post	metal	intact	gray	0.23 ± 0.37	no	yes
690	building 46, high roof	duct post	metal	intact	gray	-0.27 ± 1.07	no	yes
691	building 1784 roof	wall	CMU	intact	beige	0.03 ± 0.05	no	yes
692	building 1784 roof	VTR	metal	fair	beige	0.00 ± 0.02	no	yes
693	building 1784 roof	flashing	metal	fair	beige	0.06 ± 0.24	no	yes
694	Calibration					1.00 ± 0.10		
695	Calibration					1.00 ± 0.10		
696	Calibration					1.00 ± 0.10		

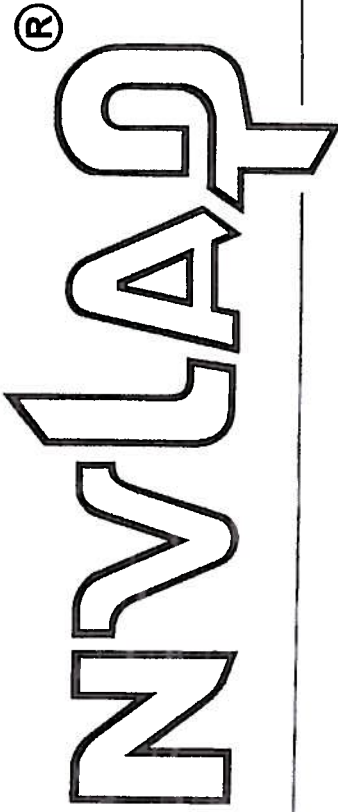
Determination of paint as lead-based paint by the U. S. Department of Housing and Urban Development (HUD) is based on the values in the "PbC" column reported in mg/cm² (milligrams per square centimeter). HUD regulations; 24 CFR Parts 35, 200, 881, and 886; and Guidelines for the Evaluation and Control of Lead-based Paint (LBP) Hazards in Housing, dated June 1995, define LBP as paint with a lead content of 1.0 mg/cm² or greater.

However, OSHA and HIOSH regulate activities disturbing paint that contains lead (lead-containing paint), even if the content is below the HUD standard.

Appendix D

Certifications

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101807-0

EnvironMETeo Services Inc.
Waipahu, HI

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

BULK ASBESTOS FIBER ANALYSIS

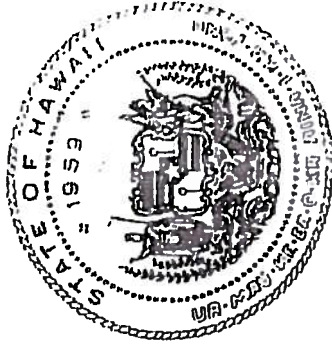
*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2014-07-01 through 2015-06-30

Effective dates



For the National Institute of Standards and Technology



Lead-Based Paint Activities Firm Certification

THIS IS TO CERTIFY THAT

EnvironMETeo Services, Inc.

has fulfilled the requirements of Chapter 11-41 Hawaii Administrative Rules and the Toxic Substance Control Act (TSCA) Section 402(a)(2), and has received certification as a firm pursuant to §11-41-4 H.A.R. to conduct lead-based paint activities in Hawaii.

This certification is valid from the date of issuance and expires on **JUNE 19, 2015**.

Date of Issue: **FEBRUARY 21, 2012**
Certification # **PBF-0024**

FOR DIRECTOR OF HEALTH

NON-TRANSFERABLE

REPROducible FOR USE



Estrada
Arnaldo
EnvironMETeo Services, Inc.
HIASB-0966
State Exp. Date 01/30/2016

State of Hawai'i Asbestos Certification

Training Course Exp. Dates

W	n/a	MP	n/a
CS	n/a	PD	n/a
INS	04/18/15	PM	04/15/15

W= Worker
CS= Cont./Sup.
INS= Inspector
PD= Project Designer
MP= Mgmt Planner
PM= Project Monitor

**State of Hawai'i
Lead Based Paint Activities Certification**

Expiration Dates:

Inspector- n/a
Supervisor- 06/01/2016
Risk Assessor- 10/16/2016
Project Designer- n/a
Worker- n/a

**Estrada
Arnaldo**

Certification # PB-0138





Iopa
Joseph K. III
EnvironMETeo Services, Inc.
HIASB-0585
State Exp. Date 04 25 2015

State of Hawai'i Asbestos Certification

Training Course Exp. Dates

W	n/a	MP	n/a
CS	n/a	PD	n/a
INS	02/28/15	PM	01/09/16

W= Worker
CS= Cont / Sup.
INS= Inspector
PD= Project Designer
MP= Mgmt. Planner
PM= Project Monitor

**State of Hawai'i
Lead Based Paint Activities Certification**

Expiration Dates:

Inspector n/a
Supervisor n/a
Risk Assessor 10/16/2016
Project Designer n/a
Worker n/a

Iopa, III

Joseph

Certification # PB-0668



End of Report

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