

REPORTE DE INSPECCIÓN DE MATERIALES CON
CONTENIDO DE ASBESTO

EN OFICINAS DEL DEPARTAMENTO DE SALUD
MONACILLO URBANO, AVE. CENTRO MÉDICO, SAN JUAN P.R.

Sometido a: Ing. William Melendez Rivas
INGENIUM Professional Group, PSC.

Septiembre, 2019

Preparado por:
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I. Resumen

R & S Professional Equipment, Inc. llevó a cabo un estudio de Materiales que Contienen Asbesto (ACM) para una estructura de concreto de catorce (14) estructuras de varios pisos, sótano, áreas de estacionamiento y exteriores ubicadas en la Avenida Centro Médico, Monacillo Urbano, San Juan, Puerto Rico.

La investigación del asbesto fue llevada a cabo los días 29/07/19, 30/07/19, 08/08/19, 15/08/19 y 30/08/19 por Anthony Robinson, un inspector de asbesto certificada por EQB. El alcance de la encuesta incluyó el muestreo y las evaluaciones físicas de los materiales sospechosos de ACM.

Durante la inspección, se tomaron ochenta y dos (82) muestras de materiales sospechosos. Se detectaron fibras de asbesto en diecinueves (19) de las muestras recolectadas y analizadas. Específicamente, se detectaron fibras de asbesto por encima del 1% por área en las muestras recolectadas de losa de vinilo de 12 "x12" con pega negra debajo, material de techo, Transite en el techo, Transite del techo, Panel de Transite de Piso y TSI. El material se clasifica como misceláneo, Categoría I, no friable ACM con aproximadamente 116,93 pies cuadrados.

La cantidad es aproximada y debe ser verificada por los contratistas antes de cualquier trabajo de control de asbesto. Si las actividades de demolición/remodelación se realizarán en un futuro próximo, se recomienda eliminar todos los ACM conocidos o sospechosos de estar presentes dentro de la estructura, para cumplir con los requisitos de NESHAP/EQB.

1.0 INTRODUCCIÓN

R & S Professional Equipment, Inc. llevó a cabo un estudio de Materiales que Contienen Asbesto (ACM) para una estructura de concreto de catorce (14) estructuras de varios pisos, sótano, áreas de estacionamiento y exteriores ubicadas en la Avenida Centro Médico, Monacillo Urbano, San Juan, Puerto Rico.

La investigación del asbesto fue llevada a cabo 29/07/19, 30/07/19, 08/08/19, 15/08/19 y 30/08/19 por Anthony Robinson, un inspector de asbesto certificada por EQB (ver Apéndice I para credenciales). La inspección se realizó en base al protocolo AHERA, según el siguiente escenario:

- El área encuestada se dividió en espacios funcionales.
- Se realizó una inspección visual.
- Se efectuaron muestras de los materiales sospechosos.

Las muestras recolectadas fueron analizadas por *"Analytical Enviromental Services International"*, Inc., un laboratorio certificado por NVLAP ubicado en Santurce, Puerto Rico (ver Apéndice I para el certificado de acreditación).

Se identificó un tipo de asbestos, *Crisotilo "Chrysotile"*, en varios Materiales con Contenido de Asbestos en Edificio (en adelante ACBM) en condiciones no desmenuzable, *"NON-FRIABLE"*. Los tipos de ACBM fueron los siguientes:

- Paneles de Asbestos *"Transite"*.
- Tope de Escritorio *"Counter top"*.
- Material Impermeabilizante de techo *"Roofing Material"*.
- Pega Negra en pisos de vinyl, *"Black Mastic"*.
- Material de aislación de conducto, *"TSI"*

2.0 CONTEXTO GENERAL

El asbesto fue utilizado en la industria de la construcción desde 1900 hasta 1989. Todavía se utiliza hoy en día en varios productos. Los efectos de salud del asbesto han sido estudiados desde la década de 1930. Se han realizado más estudios de salud en el asbesto que en cualquier otra sustancia natural. La mera presencia de materiales que contengan amianto no constituye necesariamente un peligro para la salud. Sin embargo, cuando estos materiales se ven perturbados por la renovación del edificio, el mantenimiento u otras actividades cotidianas que permiten que las fibras se liberen en el medio ambiente, existe un peligro potencial.

La relación entre el nivel de exposición y el riesgo para la salud es muy compleja. Aunque esta relación no se entiende completamente, la exposición al asbesto ha sido asociada con varios tipos de enfermedades pulmonares incluyendo una enfermedad pulmonar debilitante llamada ASBESTOSIS; un cáncer raro de pecho llamado MESOTHELIOMA; y cánceres del esófago, estómago, colon y otros órganos. La asbestosis no es mortal; sin embargo, es incurable. Uno que lo tiene no puede respirar fácilmente y la actividad física se limita. MESOTELIOMA es 100% mortal, ya que no hay cura. Estas enfermedades pueden estar directamente relacionadas con el asbesto debido a las partículas minerales que se encuentran en el revestimiento de los pulmones y el estómago, ya que el cuerpo no puede absorber estos minerales. Las pruebas han determinado que el asbesto puede causar cáncer, pero los científicos no están de acuerdo en la cantidad de fibras de asbesto que deben ser inhaladas para causar cáncer. La nariz filtra todas las partículas visibles. Por lo tanto, sólo las fibras microscópicas son las que causan los problemas.

Los estudios indican diferentes efectos en la salud que resultan de la exposición al asbesto crisólito versus la exposición a la forma anfíbola del asbesto. Estos últimos,

que incluyen tremolita, amosita, actinolita, antofilita y crocidolita, tienen un impacto más significativo en la salud que el crisólito.

Algunos científicos citan estudios que concluyen que es el tamaño de las fibras depositadas en los pulmones lo que resulta en cáncer. Las fibras largas y delgadas, de más de 8 micrones de longitud y menos de 0,25 micrones de diámetro muestran el mayor potencial de desarrollo de cáncer.

2.1 Normas nacionales de emisión de contaminantes atmosféricos peligrosos (NESHAP)

Las reglas de la EPA relativas a la aplicación, remoción y eliminación de ACM, así como a la fabricación, rociado y fabricación de ACM fueron emitidas bajo la regulación NESHAP de asbesto (U.S. EPA National Emission Standards for Hazardous Air Pollutants, 40 CFR 61 Subpart M, October 30, 1987). El reglamento NESHAP de asbesto rige los proyectos de demolición y renovación de asbesto en todas las instalaciones. La regla de NESHAP usualmente requiere que los propietarios u operadores retiren todos los ACM friables antes de que el edificio sea demolido y puede requerir que se retiren antes de la renovación. Si el ACM friable debe ser perturbado, la regla NESHAP puede requerir prácticas de trabajo apropiadas, o procedimientos para el control de emisiones. La regla establece que cualquier ACM, que puede llegar a ser friable, representa un peligro potencial que debe ser abordado.

El 20 de noviembre de 1990 se publicó una decisión revisada de NESHAP, que entró en vigor el 20 de febrero de 1991 y que incluye la responsabilidad del propietario u operador de inspeccionar a fondo "antes del comienzo de la demolición o renovación, la instalación afectada o parte de la instalación en la que se llevará a cabo la operación de demolición o renovación para detectar la presencia de amianto, incluidos los MCA no friables de Categoría I y Categoría II". (40 CFR, Parte

61, National Emission Standards for hazardous Air Pollutants, Asbestos NESHAP Revision, Final Rule, November 20, 1990).

3.0 IDENTIFICACIÓN/DESCRIPCIÓN DEL PROYECTO

El proyecto consiste en catorce (14) estructuras de hormigón con de varios pisos, sótano, áreas de estacionamiento y exteriores. Las estructuras no están actualmente en uso e incluye:

- Edificio Principal (sótano)
- Almacén de Propiedad
- "Cobacha" Cerca de Subestación Eléctrica del Edificio Principal.
- Laboratorio de Rabia
- Edificio Archivo de Finanzas
- Almacén de Laboratorios.
- Anexo Almacén de Laboratorios.
- Almacén de Estructura en Madera de dos niveles.
- Oficina Comisión de Alimentación y Nutrición / y / Oficina de Auditoria Interna.
- Pabellón 1 (dos niveles)
- Pabellón 2 (dos niveles)
- Pabellón 3
- Pabellón 4
- Anexo Pabellón 4
- Área Exterior Con estacionamientos.

4.0 MÉTODOS DE INSPECCIÓN DE EDIFICIOS

Cada muestra recolectada fue clasificada de acuerdo con la condición de los Materiales que Contienen Asbesto (ACM) en esa ubicación y el potencial de perturbación del material. El esquema de evaluación utilizado siguió el recomendado por la EPA como resultado de la Ley de Respuesta a Emergencias por Peligro de Asbesto (AHERA) y delineado en el Código de Regulaciones Federales 40 CFR Parte 763.88 del 30 de octubre de 1987 enmendado por 40 CFR Parte 61, Estándares Nacionales de Emisiones para Contaminantes Atmosféricos Peligrosos; Revisión de NESHAP de Asbesto, Regla Final, 20 de noviembre de 1990.

Todos los espacios funcionales fueron visitados e inspeccionados visualmente. Cada espacio funcional fue primero inspeccionado visualmente para identificar la ubicación de cualquier ACM sospechoso (ver Apéndice II).

5.0 MÉTODOS DE MUESTREO

El muestreo se realizó de acuerdo con el protocolo AHERA. Se recolectaron ochenta y dos (82) muestras de la presencia de ACM sospechosa, tales como losa de vinilo con pegante negro, material de techo, Transite en el techo, Transite del techo, Panel de Transite de Piso y TSI. Las muestras fueron analizadas por el método de Microscopía de Luz Polarizada (PLM), de acuerdo con los procedimientos recomendados por la EPA.

6.0 RESULTADOS DE LA INSPECCIÓN

Los resultados analíticos de la muestra recogida y analizada se presentan en el Apéndice III. Se detectaron fibras de asbesto en diecinueve (19) de las muestras analizadas. El ACM identificado (véase el Apéndice V para la distribución de ACM) incluye losa de vinilo de 12 "x12" con pega negra debajo, material de techo, Transite en el techo hacia exterior, Transite del techo hacia el interior, Panel de Transite de Piso y TSI. El material se clasifica como misceláneo, Categoría I, no friable ACM con aproximadamente 116,93 pies cuadrados.

Tabla 1-1 Resumen de ACBM		
Edificio	Área	Componente
Pabellón 1	Techo	Roofing Material
	Techo Interior	Transite
	Techo Exterior	Transite
	Piso en nivel 2	Transite
	Piso	Black Mastic
Pabellón 2	Techo	Roofing Material
	Techo Interior	Transite
	Techo Exterior	Transite
	Piso en nivel 2	Transite
	Piso	Black Mastic
Pabellón 3	Techo	Roofing Material
	Techo Interior	Transite
	Techo Exterior	Transite
	Piso	Black Mastic
	Techo	Roofing Material
Pabellón 4	Techo Interior	Transite
	Techo Exterior	Transite
	Piso	Black Mastic
	Techo	Roofing Material
	Piso	Black Mastic
Edificio Principal	Techo	Roofing Material
	Piso	Black Mastic
Edificio de Archivo de Finanza	Techo	Roofing Material
	Techo Interior	Transite
	Techo Exterior	Transite
	Piso	Black Mastic
Laboratorio de Rabia	Techo	Roofing Material
	Interior	"Counter Top"

7.0 CONCLUSIÓN

Se realizó un estudio de asbesto para catorce estructuras de concreto ubicada en la Avenida Centro Médico, Monacillo Urbano, San Juan, Puerto Rico. Los materiales estudiados se describieron anteriormente y se detectó ACM (Ver Apéndice III). La encuesta de ACM no incluye materiales que no son accesibles, no son visibles y pueden estar presentes detrás o dentro de las paredes, o escondidos dentro de las estructuras. No hubo acceso al área de techo de área norte, se observó áreas selectas de material impermeabilizante reciente y no se alteró. No se permitió el acceso a las áreas de oficina del Directo. Las áreas no accesibles durante el tiempo de la Inspección se asumen los materiales sospechosos como ACM. Los materiales sospechosos deben ser evaluados previo a renovación o demolición. Toda alteración o manejo de materiales ACBM tiene que ser realizada por personal licenciado para el manejo de ACM. Debe estar certificado en E.Q.B de Puerto Rico y cumplir fielmente con las leyes del Puerto Rico y EPA. La disposición de ACBM tiene que realizarse en vertedero especial con aprobación para recibir disposición con contenido de asbestos.

Concluimos con la mención de la existencia de áreas en las que el deterioro llega a niveles tales que se percibe mal olor, se observa hongo en equipos, paredes, piso, plafón acústico, y demás áreas. Sobre el techo acústico de los pasillos del primer nivel del edificio principal, hay desprendimiento de empañetado de material negativo a Asbestos, no obstante, contiene otro tipo de fibra. Este material deteriorado se observa que previamente ha sido perturbado. En adición en área de pabellones existen materiales positivos a Asbestos perturbados de su estado original y expuesto, como lo es el material de impermeabilización y paneles de Transite. Esto representa un riesgo inmediato.



Anthony Robinson Santana
Inspector de Asbesto de EQB
Lic. #ASB-0219-0080-SI

APÉNDICE I

Certificaciones y Acreditaciones del Laboratorio.



ASB-0219-0080-SI

Número de Registro

24-ene-2020

Fecha de vencimiento

TARJETA DE REGISTRO
PARA LA REMOCION DE ASBESTO

Esta tarjeta autoriza a:

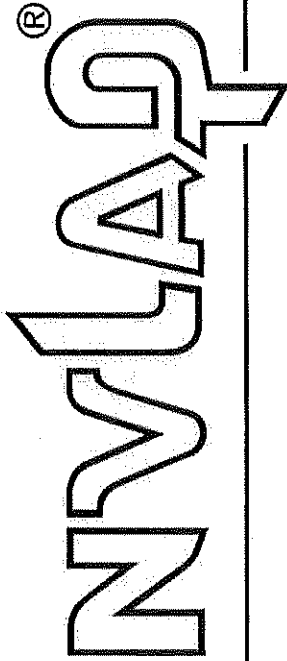
Anthony Robinson Santana

Inspector

A trabajar en la remoción de asbesto en
P.R. Esta persona **NO** es un empleado,
ni un representante de la Junta.

Firma Autorizada
Junta de Calidad Ambiental

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200051-0

AES International
Santurce, PR

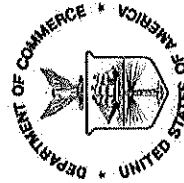
is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

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 Communiqué dated January 2009).

2019-01-01 through 2019-12-31

Effective Dates



A handwritten signature in black ink, appearing to read "Peter J. Lamm".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

AES International
611 Monserrate
Santurce, PR 00907
Mr. Ady Padan
Phone: 787-722-0220 Fax: 787-724-5788
Email: yotal@bellsouth.net
<http://www.aesipr.org>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200051-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

A handwritten signature in cursive script, reading "Tasha S. Laman".

For the National Voluntary Laboratory Accreditation Program

APÉNDICE II

Evaluación de Riesgos.

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE, CENTRO MÉDICO, SAN JUAN P.R.

Inspection Date: 7/29/2019

Page: 1 of 12

Homogeneous Material Description	I.D. Number	Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7, X, None)	Hazard Ranking (1-7)
Material Description									
Black Mastick for Vinyl Tile	ASB-001	Mic.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building	2% Chrysotile	11910	X	1
Transite Panel in Floor Area	ASB-002	Surf.	Yes	NF	Second Floor in Pavilions 1, 2	15% Chrysotile	6677	X	1
Transite in Interior Roof Area	ASB-003	Surf.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building	18% Chrysotile	6677	1	1
Acuoustic Ceiling Tile	ASB-004	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / Main Building			X	
Black Mastick for Vinyl Tile	ASB-005	Mic.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building	2% Chrysotile	11910	X	1
Vinyl Transition With Mastic	ASB-006	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
Caulking	ASB-007	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
Black Mastick for Vinyl Tile	ASB-008	Mic.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building	2% Chrysotile	11910	X	1
Black Mastick for Vinyl Tile	ASB-009	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
Wall Base With Mastic	ASB-010	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
Transite in Interior Roof Area, Hallway	ASB-011	Surf.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building (2nd Layer)	18% Chrysotile	1040	1	1
Transite in Exterior Roof Area	ASB-012	Surf.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building	20% Chrysotile	6677	1	1
Roofing Materials	ASB-013	Surf.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building (2nd Layer)	2% Chrysotile	11910	1	1
Inspected by: Anthony Robinson									Date: 7/29/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged or significantly damaged friable miscellaneous ACM; 2 = Damaged friable surfacing ACM; 3 = Significantly damaged friable surfacing ACM; 4 = Damaged or significantly damaged friable miscellaneous ACM; 5 = ACM with potential for damage; 6 = ACM with potential for significant damage; 7 = Any remaining friable ACM or friable suspected ACM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials);

None = No assessment category provided in original inspection.

Hazard Ranking Category: 1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged;

5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE. CENTRO MÉDICO. SAN JUAN P.R.

Inspection Date: 7/30/2019

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Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-014	Window Caulking	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-014	Door Caulking	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-015	Ceiling Panel	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-016	Ceiling Panel	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-017	Hallway Floor Panel	Surf.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-018	AC Duct TSI	TSI	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	

Inspected by: Anthony Robinson

Date: 7/30/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged or significantly damaged friable miscellaneous ACBM; 2 = Damaged friable surfacing ACBM; 3 = Significantly damaged friable surfacing ACBM; 4 = Damaged or significantly damaged friable miscellaneous ACBM; 5 = ACBM with potential for damage; 6 = ACBM with potential for significant damage; 7 = Any remaining friable ACBM or friable suspected ACBM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials); None = No assessment category provided in original inspection.

Hazard Ranking Category: 1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged; 5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACBM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE. CENTRO MÉDICO. SAN JUAN P.R.

Inspection Date: 7/30/2019

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Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-019	Window Caulking	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building			X	
ASB-020	Cailling Panel	Surf.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building			X	
ASB-021	Vinyl Tile with Mastic	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-022	Vinyl Tile with Mastic	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-023	Vinyl Tile with Mastic	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	

Inspected by:

Anthony Robinson

Date:

7/30/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged or significantly damaged TSI ACM; 2 = Damaged friable surfacing ACM; 3 = Significantly damaged friable surfacing ACM; 4 = Damaged or significantly damaged friable miscellaneous ACM; 5 = ACM with potential for damage; 6 = ACM with potential for significant damage; 7 = Any remaining friable ACM or friable suspected ACM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials);

None = No assessment category provided in original inspection.

Hazard Ranking Category:

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5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE, CENTRO MÉDICO, SAN JUAN P.R.

Inspection Date: 7/30/2019

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Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-025	AC Duct With Mastic	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-026	AC Duct With Mastic	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-027	Counter Top	Mic.	No	NF	Main Building, Lab 2nd Fl.			X	
ASB-028	Counter Top	Mic.	No	NF	Main Building, Lab 2nd Fl.			X	
ASB-029	Black Mastic for Vinyl Tile	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building / And Main Building			X	

Inspected by: Anthony Robinson

Date: 7/30/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged or significantly damaged friable surfacing ACM; 2 = Damaged friable surfacing ACM; 3 = Significantly damaged friable surfacing ACM; 4 = Damaged or significantly damaged friable miscellaneous ACM; 5 = ACM with potential for damage; 6 = ACM with potential for significant damage; 7 = Any remaining friable ACM or friable suspected ACM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials); None = No assessment category provided in original inspection.

Hazard Ranking Category: 1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged; 5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE. CENTRO MÉDICO, SAN JUAN P.R.

Inspection Date: 8/8/2019

Page: 5 of 12

Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-030	Mastic for Vinyl Tile	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-031	Mastic for Vinyl Tile	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-032	Mastic for Vinyl Tile	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-033	White AC Mastic	Mic.	No	NF	Main Building			X	
ASB-034	Mastic for Vinyl Tile	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	

Inspected by: Anthony Robinson

Date: 8/8/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged or significantly damaged friable miscellaneous ACBM; 2 = Damaged friable surfacing ACBM; 3 = Significantly damaged friable surfacing ACBM; 4 = Damaged or significantly damaged friable miscellaneous ACBM; 5 = ACBM with potential for damage; 6 = ACBM with potential for significant damage; 7 = Any remaining friable ACBM or friable suspected ACBM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials); None = No assessment category provided in original inspection.

Hazard Ranking Category: 1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged;

5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACBM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE. CENTRO MÉDICO, SAN JUAN P.R.

Inspection Date 8/8/2019

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Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-035	Brown Mastic for Wall Base	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-036	Ceiling Plaster	Surf.	No	NF	Main Building			X	
ASB-037	Ceiling Plaster	Surf.	No	NF	Main Building			X	
ASB-038	White Acoustic Ceiling	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-039	Brown Acoustic Ceiling	Mic.	No	NF	Main Building			X	
ASB-040	Black Mastic for Vinyl Tile	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-041	Mastic for Vinyl Tile	Mic.	No	NF	Main Building			X	
ASB-042	Black Mastic for Vinyl Tile	Mic.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building	2% Chrysotile		X	1

Inspected by: Anthony Robinson

Date: 9/9/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged or significantly damaged TSI ACBM; 2 = Damaged friable surfacing ACBM; 3 = Significantly damaged friable surfacing ACBM; 4 = Damaged or significantly damaged friable miscellaneous ACBM; 5 = ACBM with potential for damage; 6 = ACBM with potential for significant damage; 7 = Any remaining friable ACBM or friable suspected ACBM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials);

None = No assessment category provided in original inspection.

Hazard Ranking Category: 1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged; 5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACBM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE, CENTRO MÉDICO, SAN JUAN P.R.

Inspection Date: 8/8/2019

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Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-043	Ceiling Plaster	Surf.	No	NF	Main Building Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-044	Black Mastick for Vinyl Tile	Mic.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building	2% Chrysotile		X	1
ASB-045	Black Mastick for Vinyl Tile	Mic.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building	2% Chrysotile		X	1
ASB-046	Black Mastick for Vinyl Tile	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building / And Main Building			X	
ASB-047	Ceiling Insulation	TSI	No	NF	Main Building Basement			X	
ASB-048	Gray Window Transite	Surf.	Yes	NF	Main Building	15% Chrysotile		1	1
ASB-049	Grey Window Caulking	Mic.	No	NF	Main Building			X	
ASB-050	TSI	TSI	Yes	NF	Main Building	20% Chrysotile		1	6

Inspected by: Anthony Robinson

Date: 8/8/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged or significantly damaged TSI ACBM; 2 = Damaged friable surfacing ACBM; 3 = Significantly damaged friable surfacing ACBM; 4 = Damaged or significantly damaged friable miscellaneous ACBM; 5 = ACBM with potential for damage; 6 = ACBM with potential for significant damage; 7 = Any remaining friable ACBM or friable suspected ACBM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials);

None = No assessment category provided in original inspection.

Hazard Ranking Category:

1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged;

5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACBM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

Inspection Date: 8/8/2019

Page: 8 of 12

[illegible]

Date: 8/8/2019

5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACBM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE, CENTRO MÉDICO, SAN JUAN P.R.

Inspection Date: 8/15/2019

Page: 9 of 12

Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-053	Ceiling Plaster	Surf.	No	NF	Main Building			X	
ASB-054	White Acoustic Ceiling 2 x 4	Mic.	No	NF	Main Building			X	
ASB-055	Brown Acoustic Ceiling Panel	Surf.	No	NF	Main Building			X	
ASB-056	Ceiling Plaster	Surf.	No	NF	Main Building			X	
ASB-057	Roofing Materials	Surf.	No	NF	Main Building, South Area			X	
ASB-058	Bitumen From AC Duct	Mic.	No	NF	Main Building, South Area			X	
ASB-059	Roofing Materials	Surf.	No	NF	Main Building, South Area			X	
ASB-060	Roofing Materials	Surf.	No	NF	Main Building, South Area			X	
ASB-061	Ceiling Plaster	Surf.	No	NF	Main Building			X	
ASB-062	Ceiling Plaster	Surf.	No	NF	Main Building			X	

Inspected by: Anthony Robinson

Date: 8/15/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged or significantly damaged TSI ACM; 2 = Damaged friable surfacing ACM; 3 = Significantly damaged friable surfacing ACM; 4 = Damaged or significantly damaged friable miscellaneous ACM; 5 = ACM with potential for damage; 6 = ACM with potential for significant damage; 7 = Any remaining friable ACM or friable suspected ACM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials);

Hazard Ranking Category: None = No assessment category provided in original inspection.
1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged; 5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE. CENTRO MÉDICO, SAN JUAN P.R.

Inspection Date: 8/30/2019

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Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-063	White Mastic For VFT	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building			X	
ASB-064	Black Mastic For VFT	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building			X	
ASB-065	Black Mastic For VFT	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building			X	
ASB-066	Black Mastic For VFT	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building			X	
ASB-067	Transite in Floor	Surf.	Yes	NF	Second Floor in Pavillions 1, 2	15% Chrysotile	5637	X	1
ASB-068	Roofing Materials	Surf.	No	NF	Auditoria			X	
ASB-069	White Mastic For VFT	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building			X	
ASB-070	Black Mastic For VFT	Mic.	No	NF	Pavillions 1, 2, 3, 4 / Finances File Building			X	

Inspected by: Anthony Robinson

Date: 8/30/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged of significantly damaged TSI ACBM; 2 = Damaged friable surfacing ACBM; 3 = Significantly damaged friable surfacing ACBM; 4 = Damaged or significantly damaged friable miscellaneous ACBM; 5 = ACBM with potential for damage; 6 = ACBM with potential for significant damage; 7 = Any remaining friable ACBM or friable suspected ACBM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials);

None = No assessment category provided in original inspection.

1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged;

5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACBM

Hazard Ranking Category: 1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged;

5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACBM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE. CENTRO MÉDICO. SAN JUAN P.R.

Inspection Date: 8/30/2019

Page:

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of

12

Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7, X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-071	Black Mastic For VFT	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building			X	
ASB-072	Black Mastic For VFT	Mic.	No	NF	Pavilions 1, 2, 3, 4 / Finances File Building			X	
ASB-073	Black Counter Top	Mic.	No	NF	Rabia Lab	10% Chrysotile		X	
ASB-074	Roofing Materials	Surf.	Yes	NF	"Rabia" Laboratory	10% Chrysotile	225	X	1
ASB-075	Roofing Materials	Surf.	No	NF	Finances File Bldg.			X	
ASB-076	Roofing Materials	Surf.	Yes	NF	Finanzas File Building (2nd Layer)	3% Chrysotile	2950	1	1
ASB-077	Roofing Materials	Surf.	No	NF	File Bldg Anexo			X	
ASB-078	Transite in Interior Roof Area	Surf.	Yes	NF	Pavilions 1, 2, 3, 4 / Finances File Building	15% Chrysotile	2950	1	2

Inspected by: Anthony Robinson

Date: 8/30/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHERA Assessment Category: 1 = Damaged of significantly damaged TSF ACM; 2 = Damaged friable surfacing ACM; 3 = Significantly damaged friable surfacing ACM; 4 = Damaged or significantly damaged friable miscellaneous ACM; 5 = ACM with potential for damage; 6 = ACM with potential for significant damage; 7 = Any remaining friable ACM or friable suspected ACM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials);

None = No assessment category provided in original inspection.

Hazard Ranking Category: 1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged;

5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

ASBESTOS SAMPLE INSPECTION FORM FOR PHYSICAL & HAZARD ASSESSMENT

Client Name INGEIUM PROFESSIONAL GROUP

Project Name: OFICINAS DEL DEPARTAMENTO DE SALUDAVE, CENTRO MÉDICO, SAN JUAN P.R.

Inspection Date: 8/30/2019

Page: 12 of 12

Homogeneous Material Description		Material Category	Asbestos Content	Friability	Location of Materials	Asbestos Contents	Total Square Feet of ACM	AHERA Assessment Category (1-7,X, None)	Hazard Ranking (1-7)
I.D. Number	Material Description								
ASB-079	Transite in Exterior Roof Area	Surf.	Yes	NF	Pavillions 1, 2, 3, 4 / Finances File Building	10% Chrysotile	2950	1	2
ASB-080	Roofing Materials	Surf.	No	NF	Storage File Bldg.			X	
ASB-081	Roofing Materials	Surf.	No	NF	Storage File Anexo Bldg.			X	
ASB-082	VFt with Black Mastic	Surf.	No	NF	Main Building, Basement			X	

Inspected by: Anthony Robinson

Date: 8/30/2019

Friability: F = friable, NF = nonfriable, X = not applicable (material is non-ACBM)

AHRA Assessment Category: 1 = Damaged of significantly damaged friable TSI ACM; 2 = Damaged friable surfacing ACM; 3 = Significantly damaged friable surfacing ACM; 4 = Damaged or significantly damaged friable miscellaneous ACM; 5 = ACM with potential for damage; 6 = ACM with potential for significant damage; 7 = Any remaining friable ACM or friable suspected ACM; X = Not applicable (material is non-ACBM or non-friable surfacing or miscellaneous materials);

None = No assessment category provided in original inspection.

Hazard Ranking Category: 1 = Significantly damaged; 2 = Damaged and potential of significant damage; 3 = Damaged and potential for damage; 4 = Damaged; 5 = Potential for significant damage; 6 = Potential for damage; 7 = All remaining ACM

* - Unless Specified, the Asbestos Type is Chrysotile; ND - None Detected

APÉNDICE III

Resultados de las muestras de PLM

Tabla I : Resumen de Material con Contenido de Asbestos (ACM) en Oficinas del Departamento de Salud, Avenida Centro Médico, San Juan, Puerto Rico

Estructura	Número de Identificación de Muestra	Descripción	Resultado (Porcentaje de Asbestos)	Cantidad (Pies Cuadrados)
Pabellón 1	ASB-001	Losa de Vinilo con Pega Negra en los Piso 1 & 2	2 % Crisótilo	11,910
	ASB-002	Panel de Transite de Piso (2do Piso & Pasillo)	15% Crisótilo	6,677
	ASB-003 & ASB-011	Transite del Techo	18% Crisótilo	6,677
	ASB-012	Transite en el Techo	20% Crisótilo	6,677
	ASB-013	Material de Techo	2% Crisótilo	6,677
Pabellón 2	ASB-P2-1	Losa de Vinilo con Pega Negra en los Piso 1 & 2	2% Crisótilo	11,910
	ASB-P2-2	Panel de Transite de Piso	15% Crisótilo	5,637
	ASB-P2-2	Transite del Techo	18% Crisótilo	6,677
	ASB-P2-2	Transite en el Techo	20% Crisótilo	6,677
	ASB-P2-2	Material de Techo	2% Crisótilo	6,677
Pabellón 3		Transite del Techo	15% Crisótilo	6,677
		Transite en el Techo	18% Crisótilo	6,677
		Material de Techo	2% Crisótilo	6,677
		Losa de Vinilo con Pega Negra	2% Crisótilo	5,995

Tabla I : Resumen de Material con Contenido de Asbestos (ACM) en Oficinas del Departamento de Salud, Avenida Centro Médico, San Juan, Puerto Rico

Estructura	Número de Identificación de Muestra	Descripción	Resultado (Porcentaje de Asbestos)	Cantidad (Pies Cuadrados)
Pabellón 4		Transiite del Techo	15% Crisótilo	6,677
		Transite en el Techo	18% Crisótilo	6,677
		Material de Techo	2% Crisótilo	6,677
		Losa de Vinilo con Pega Negra	2% Crisótilo	5, 995
Edificio Principal	ASB-042	Losa de Vinilo con Pega Negra, Oficina #152A	2% Crisótilo	250
	ASB-044	Losa de Vinilo con Pega, Oficina #1, Sotáno	2% Crisótilo	200
	ASB-048	Ventana con Panel de Transite	15% Crisótilo	
	ASB-050	TSI en Los Conductos	20% Crisótilo	
Laboratorio Rabia	ASB-073	Material de Techo	10% Crisótilo	225
	ASB-074	Laboratorio Desc con la Piel	10% Crisótilo	1 c/u
Edificio Archivo Finanzas	ASB-076	Material de Techo	3% Crisótilo	2, 950
	ASB-078	Transiite del Techo	15% Crisótilo	2, 950
	ASB-079	Transite en el Techo	15% Crisótilo	2, 950
		Losa de Vinilo con Pega Negra		2, 950

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate, 2nd. Floor, Santurce, P.R. 00907

Ph: (787) 722-0220 Fax: (787) 724-5788

Transmittal Sheet for Bulk Sample Analysis

Client Name: RAS PROFESSIONAL EQUIPMENT INC.
 Address: PO BOX 289, NAGUADO, PR 00718
 Contact: ANTHONY ROBINSON SANTURCE
 Phone/Fax: 632-7267

Project Name: INSPECCIÓN
 Site Location: DPTO. SAN JUAN
 Samplers Name: AL CENTRO MEDICO
 Company: ANTHONY ROBINSON SANTURCE
RAS PROFESSIONAL EQUIPMENT

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
ASB-001	Bldg. 1, Pavillion, 2nd Floor Room 2, VFT with mastic		10:46	✓			19070017 .01
ASB-002	Bldg. 1, Pavillion, 2nd Floor Room 2, Transite Floor panel		10:50	✓			12
ASB-003	Bldg. 1, Pavillion, 2nd Floor Room 2, Interior Ceiling Transite		10:54	✓			13
ASB-004	Bldg. 1, Pavillion, 2nd Floor Room 2, Acoustic Ceiling Tile		10:59	✓			14
ASB-005	Bldg. 1, Pavillion, 2nd Floor Room 2, VFT with mastic		11:05	✓			15
ASB-006	Bldg. 1, Pavillion, 2nd Floor Room 2, Tile Transition with mastic		11:10	✓			16
ASB-007	Bldg. 1, Pavillion, 2nd Floor Hallway, Floor caulking		11:16	✓			17
ASB-008	Bldg. 1, Pavillion, 1st Floor Storage Room, ETS-VIH, VFT		11:26	✓			18
ASB-009	Bldg. 1, Pavillion, 1st Floor Storage Room, ETS-VIH, Black mastic		11:30	✓			19
ASB-010	Bldg. 1, Pavillion, 1st Floor Storage Room, ETS-VIH, Vinyl base wall		11:33	✓			20
ASB-011	Bldg. 1, Pavillion, 2nd Floor Hallway, Ceiling Transite cream		11:50	✓			21
ASB-012	Bldg. 1, Pavillion, 2nd Floor Roof Transite, NE Area		11:53	✓			22
ASB-013	Bldg. 1, Pavillion, Roof Roofing Materials, NE Area		11:58	✓			23

Turnaround Time:

Normal: ☐

Rush: ☒

Relinquished By: <u>Anthony Robinson Santurce</u>	Delivered Directly to L	*Job ID: B19070017  RS Professional
Date/ Time: <u>7/29/19 13:50</u>	Method of Shipment:	
Received By: <u>[Signature]</u>	Lab. Recipient:	
Date/ Time: <u>7/29/19 13:50</u>	Date:	
Relinquished By:		
Date/ Time:		
Received By:		
Date/ Time:		



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19070017



REPORT NUMBER



RP19073101

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	07/29/2019
Project Name:	Inspeccion Dpto Salud	Date Received:	07/29/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Client Sample ID					
B19070017.01 B19070017.01.A ASB-001 Layer % of Total :80% Date Analyzed: 07/30/2019 Sample Location: Bldg 1, Pavillion, 2nd Floor, Room 2, VFT with Mastic Comments:	Hard, Compact, Partly Granular with Black Mastic Other - and Fibers Light Gray	Yes	Chrysotile 2	Cellulose 3	Binders/Paint 64 Sand/Aggregates 23 Bitumen 8
B19070017.01 B19070017.01.B ASB-001 Layer % of Total :20% Date Analyzed: 07/30/2019 Sample Location: Bldg 1, Pavillion, 2nd Floor, Room 2, VFT with Mastic Comments:	Hard, Compact, Partly Granular with Black Mastic Other - Glue and Fibers Cream	No		Cellulose 2	Binders/Paint 66 Sand/Aggregates 24 Bitumen 5 Glue 3
B19070017.02 B19070017.02.A ASB-002 Layer % of Total :100% Date Analyzed: 07/30/2019 Sample Location: Bldg 1, Pavillion, 2nd Floor, Room 2, Transite Floor Panel Comments:	Hard, Compact, Aggregates with Fibers Gray	Yes	Chrysotile 15	Cellulose 10	Binders/Paint 30 Sand/Aggregates 45
B19070017.03 B19070017.03.A ASB-003 Layer % of Total :100% Date Analyzed: 07/30/2019 Sample Location: Bldg 1, Pavillion, 2nd Floor, Room 2, Interior Ceiling Transite Comments: Paint Included As Binders	Hard, Compact, Aggregates with Fibers Other - and Paint Gray	Yes	Chrysotile 18	Cellulose 8	Binders/Paint 39 Sand/Aggregates 35

MICROANALYST:

Karen Acosta

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19070017



REPORT NUMBER



RP19073101

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	07/29/2019
Project Name:	Inspeccion Dpto Salud	Date Received:	07/29/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B19070017.04 B19070017.04.A ASB-004	Semi Hard, Fibrous with Perlite and Paint Gray	No		Cellulose 18 Synthetic 15 Mineral Wool 20	Perlite 12 Binders/Paint 35

Layer % of Total :100%

Date Analyzed: 07/30/2019

Sample Location: Bldg 1, Pavillion, 2nd Floor, Room 2, Acoustic Ceiling Tile

Comments:

Paint Included As Binders

B19070017.05 B19070017.05.A ASB-005	Hard, Compact, Partly Granular with Black Mastic Other - and Fibers White	Yes	Chrysotile 2	Cellulose 3	Binders/Paint 63 Sand/Aggregates 24 Bitumen 8
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Layer % of Total :100%

Date Analyzed: 07/30/2019

Sample Location: Bldg 1, Pavillion, 2nd Floor, Room 2, VFT with Mastic

Comments:

B19070017.06 B19070017.06.A ASB-006	Hard, Rubbber with Glue and Fibers Brown	No		Cellulose 6	Rubber 84 Glue 10
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Layer % of Total :100%

Date Analyzed: 07/30/2019

Sample Location: Bldg 1, Pavillion, 2nd Floor, Room 2, Tile Transition with Mastic

Comments:

B19070017.07 B19070017.07.A ASB-007	Semi Hard, Glue and Fibers Cream	No		Cellulose 5	Glue 95
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Layer % of Total :100%

Date Analyzed: 07/30/2019

Sample Location: Bldg 1, Pavillion, 2nd Floor, Hallway, Floor Caulking

Comments:

MICROANALYST:

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19070017



REPORT NUMBER



RP19073101

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	07/29/2019
Project Name:	Inspeccion Dpto Salud	Date Received:	07/29/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID Client Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B19070017.08 B19070017.08.A ASB-008 Layer % of Total :100% Date Analyzed: 07/30/2019 Sample Location: Bldg 1, Pavillion, 1st Floor, Storage Room, ETS-VIH, VFT Comments:	Hard, Compact, Parly Granular with Black Mastic Other - and Fibers Cream	Yes	Chrysotile 2	Cellulose 2	Binders/Paint 64 Sand/Aggregates 24 Bitumen 8
B19070017.09 B19070017.09.A ASB-009 Layer % of Total :100% Date Analyzed: 07/30/2019 Sample Location: Bldg 1, Pavillion, 1st Floor, Storage Room, ETS-VIH, Black Mastic Comments:	Soft, Bitumenous with Aggregates and Fibers Other - and Fibers Black/Gray	No		Cellulose 5	Bitumen 60 Sand/Aggregates 35
B19070017.10 B19070017.10.A ASB-010 Layer % of Total :100% Date Analyzed: 07/31/2019 Sample Location: Bldg 1, Pavillion, 1st Floor, Storage Room, ETS-VIH, Vinyl Base Wall Comments:	Hard, Rubbber with Glue and Fibers Brown	No		Cellulose 5	Rubber 87 Glue 8
B19070017.11 B19070017.11.A ASB-011 Layer % of Total :100% Date Analyzed: 07/31/2019 Sample Location: Bldg 1, Pavillion, 2nd Floor, Hallway, Ceiling Transite Cream Comments: Paint Included As Binders	Hard, Compact with Aggregates, Black Mastic, Paint Gray	Yes	Chrysotile 18	Cellulose 10	Sand/Aggregates 35 Binders/Paint 29 Bitumen 8

MICROANALYST:

[Karen Acosta]

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611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19070017



REPORT NUMBER



RP19073101

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	07/29/2019
Project Name:	Inspeccion Dpto Salud	Date Received:	07/29/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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B19070017.12 B19070017.12.A ASB-012	Hard, Compact with Aggregates, Fibers and Paint Gray	Yes	Chrysotile 20	Cellulose 10	Sand/Aggregates 50 Binders/Paint 20
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Layer % of Total :100%

Date Analyzed: 07/31/2019

Sample Location: Bldg 1, Pavillion, 2nd Floor, Roof Transite, NE Area

Comments:

Paint Included As Binders

B19070017.13 B19070017.13.A ASB-013	Semi Hard, Bituminous with Aggregate and Fibers Black	Yes	Chrysotile 2	Cellulose 5	Bitumen 78 Sand/Aggregates 15
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Layer % of Total :100%

Date Analyzed: 07/31/2019

Sample Location: Bldg 1, Pavillion, Roof, Roofing Materials, NE Area

Comments:

Comments:

FOR ALL HETEROGENEOUS AND LAYERED SAMPLES EASILY SEPARATED INTO SUBLAYERS, EACH COMPONENT IS ANALYZED AND REPORTED SEPARATELY.

SAMPLE WAS ANALYZED BY PLM USING DISPERSION STAINING TECHNIQUES IN ACCORDANCE WITH US EPA METHOD: 600/M4-82/020 of Dec. 1982 and 600/R-93/116 OF JULY 93.

MICROANALYST:

Karen Acosta

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate, 2nd. Floor, Santurce, P.R. 00907

Ph: (787) 722-0220 Fax: (787) 724-5788

Transmittal Sheet for Bulk Sample Analysis

Client Name:

Address:

Contact:

Phone/Fax:

RS PROFESSIONAL EQUIPMENT, Inc.
PO Box 2899, NAGUADO PR 00718
ANTHONY REYES-SANTURCE
787-637-7267

Project Name:

Site Location:

Samplers Name:

Company:

INSPECTION
DPTD SACUA
AVE. CENTRO MEDICO
ANTHONY REYES-SANTURCE
RS PROFESSIONAL EQUIPMENT

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
ASB-014	Bldg. 1, Pavilion, 2nd Floor Window Caulking, South Area	7/29/19	14:48	✓			
ASB-015	Bldg. 1, Pavilion, 2nd Floor Door caulking, South Area	7/29/19	14:52	✓			
ASB-016	Bldg. 1, Pavilion, 2nd Floor ceiling Panel, South Area	7/29/19	15:00	✓			
ASB-017	Bldg. 1, Pavilion, 2nd Floor, Floor Panel, South Area	7/29/19	15:06	✓			
ASB-018	Bldg. 1, Pavilion, 2nd Floor, Mechanic Room, AC Duct Insulation	7/29/19	15:15	✓			
ASB-019	Bldg. 1, Pavilion, 1st Floor, Window Caulking, South Area	7/29/19	15:30	✓			
ASB-020	Bldg. 1, Pavilion, 1st Floor, Ceiling Panel, South Area	7/29/19	15:35	✓			
ASB-021	Main Bldg., Lab Area R-207, VFT brown/cream	7/30/19	14:00	✓			
ASB-022	Main Bldg., Lab Area R-207, VFT Pink	7/30/19	14:03	✓			
ASB-023	Main Bldg., Lab Area R-210, VFT Cream	7/30/19	14:06	✓			
ASB-024	Main Bldg., Lab Area Corridor A, Front Stain, VFT cream	7/30/19	14:30	✓			
ASB-025	Main Bldg., Lab Area, Corridor B Adm-ETS, AC Duct Mastic	7/30/19	14:40	✓			
ASB-026	Main Bldg., Lab Area, Office Multi-uses, AC duct black mastic	7/30/19	15:00	✓			

Turnaround Time:

Normal:

Rush:

X

Relinquished By:	<i>Am R</i>	Delivered Directly to Lab	*Job ID: B19080001
Date/ Time:	30-Jul-2019 / 15:55	Method of Shipment:	
Received By:	<i>M. Baker</i>	Lab. Recipient:	 RS Professional
Date/ Time:	7/31/19 5:55	Date:	
Relinquished By:			
Date/ Time:			
Received By:			
Date/ Time:			

Ph: (787) 722-0220 Fax: (787) 724-5788

INSURANCE
DPTO. SALUD
ALC. CENTRO MEDICO
APARTAMENTO ROBERTO SANTANA
RUS. PLAZA 330 ALA. E. 11. 22

RS Professional



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080001



REPORT NUMBER



RP19080503

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	07/29/2019
Project Name:	Inspeccion Dpto Salud	Date Received:	07/31/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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B19080001.01 Semi Hard, Glue, Paint and No Cellulose 5 Glue 95
B19080001.01.A
ASB-014
Layer % of Total :100%

Date Analyzed: 08/02/2019

Sample Location: Bldg. 1, Pavillion, 2nd Floor, Window Caulking, South Area

Comments:

Paint Included As Binders

B19080001.02 Semi Hard, Glue, Paint and No Cellulose 4 Binders/Paint 20
B19080001.02.A Fibers Glue 76
ASB-015 Cream
Layer % of Total :100%

Date Analyzed: 08/02/2019

Sample Location: Bldg. 1, Pavillion, 2nd Floor, Door Caulking, South Area

Comments:

Paint Included As Binders

B19080001.03 Semi Hard, Compact with Fibers No Cellulose 8 Binders/Paint 80
B19080001.03.A Gray Synthetic 12
ASB-016
Layer % of Total :100%

Date Analyzed: 08/02/2019

Sample Location: Bldg. 1, Pavillion, 2nd Floor, Ceiling Panel, South Area

Comments:

B19080001.04 Semi Hard, Compact with Fibers No Cellulose 10 Binders/Paint 80
B19080001.04.A and Paint Synthetic 10
ASB-017 Cream
Layer % of Total :100%

Date Analyzed: 08/02/2019

Sample Location: Bldg. 1, Pavillion, 2nd Floor, Floor Panel, South Area

MICROANALYST:

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



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REPORT NUMBER



RP19080503

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	07/29/2019
Project Name:	Inspeccion Dpto Salud	Date Received:	07/31/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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Comments:

Paint Included As Binders

B19080001.05	Semi Hard, Paint with Fibers,	No		Cellulose 8	Aluminum 12
B19080001.05.A	Aluminum and Glue			Glass Fibers 20	Binders/Paint 55
ASB-018	Cream				Glue 5

Layer % of Total :100%

Date Analyzed: 08/02/2019

Sample Location: Bldg. 1, Pavillion, 2nd Floor, Mechanic Room, AC Duct Insulation

Comments:

Paint Included As Binders

B19080001.06	Semi Hard, Glue, Fibers and	No		Cellulose 8	Binders/Paint 5
B19080001.06.A	Paint				Glue 87
ASB-019	Cream				

Layer % of Total :100%

Date Analyzed: 08/02/2019

Sample Location: Bldg. 1, Pavillion, 1st Floor, Window Caulking, South Area

Comments:

Paint Included As Binders

B19080001.07	Semi Hard, Compact with Fibers	No		Cellulose 10	Binders/Paint 75
B19080001.07.A	and Paint			Synthetic 15	
ASB-020	Gray				

Layer % of Total :100%

Date Analyzed: 08/02/2019

Sample Location: Bldg. 1, Pavillion, 1st Floor, Ceiling Panel, South Area

Comments:

Paint Included As Binders

MICROANALYST:

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



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PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080001



REPORT NUMBER

RP19080503

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	07/30/2019
Project Name:	Inspeccion Dpto Salud	Date Received:	07/31/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Client Sample ID					
B19080001.08 B19080001.08.A ASB-021 Layer % of Total :100% Date Analyzed: 08/02/2019 Sample Location: Main Bldg., Lab Area R-207, VFT Brown/Cream Comments:	Hard, Compact, Parly Granular with Glue Other - and Fibers Cream	No		Cellulose 3	Binders/Paint 62 Sand/Aggregates 25 Glue 10
B19080001.09 B19080001.09.A ASB-022 Layer % of Total :100% Date Analyzed: 08/02/2019 Sample Location: Main Bldg., Lab Area R-207, VFT Pink Comments:	Hard, Compact, Parly Granular with Glue Other - and Fibers Cream	No		Cellulose 3	Binders/Paint 61 Sand/Aggregates 24 Glue 12
B19080001.10 B19080001.10.A ASB-023 Layer % of Total :100% Date Analyzed: 08/02/2019 Sample Location: Main Bldg., Lab Area R-210, VFT Cream Comments:	Hard, Compact, Parly Granular with Glue Other - and Fibers Cream	No		Cellulose 2	Binders/Paint 65 Sand/Aggregates 25 Glue 8
B19080001.11 B19080001.11.A ASB-024 Layer % of Total :100% Date Analyzed: 08/02/2019 Sample Location: Main Bldg., Lab Area Corridor A, Front Stair, VFT Cream Comments:	Hard, Compact, Parly Granular with Glue Other - and Fibers Cream	No		Cellulose 2	Binders/Paint 68 Sand/Aggregates 24 Glue 6

MICROANALYST:

[Karen Acosta]

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Job ID: B19080001



REPORT NUMBER



RP19080503

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	07/30/2019
Project Name:	Inspeccion Dpto Salud	Date Received:	07/31/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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B19080001.12 Hard, Compact, Partly Granular with Glue
B19080001.12.A Other - and Fibers
ASB-025 Cream
Layer % of Total :100%

Date Analyzed: 08/02/2019

Sample Location: Main Bldg., Lab Area, Corridor B, Adm-ETS, AC Duct Mastic

Comments:

B19080001.13 Semi Hard, Bituminous with Fibers and Aluminum
B19080001.13.A Black
ASB-026
Layer % of Total :100%

Date Analyzed: 08/05/2019

Sample Location: Main Bldg., Lab Area, Office Multi-Uses, AC Duct, Black Mastic

Comments:

B19080001.14 Hard, Compact, Cementitious with Fibers
B19080001.14.A Brown
ASB-027
Layer % of Total :100%

Date Analyzed: 08/05/2019

Sample Location: Main Bldg., Lab Area, Room 223, Counter Top Brown

Comments:

B19080001.15 Hard, Compact, Cementitious with Fibers
B19080001.15.A Black
ASB-028
Layer % of Total :100%

Date Analyzed: 08/05/2019

Sample Location: Main Bldg., Lab Area, Room 223, Counter Top Black

Comments:

MICROANALYST:

[Karen Acosta]

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ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080001



REPORT NUMBER



RP19080503

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	07/30/2019
Project Name:	Inspeccion Dpto Salud	Date Received:	07/31/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Client Sample ID					
B19080001.16	Hard, Compact, Parly Granular	No		Cellulose 2	Binders/Paint 70
B19080001.16.A	with Glue				Sand/Aggregates 22
ASB-029	Other - and Fibers				Glue 6
Layer % of Total :100%	Cream				

Date Analyzed: 08/05/2019

Sample Location: Main Bldg., Lab Area, DWCL, VFT Cream

Comments:

Comments:

FOR ALL HETEROGENEOUS AND LAYERED SAMPLES EASILY SEPARATED INTO SUBLAYERS, EACH COMPONENT IS ANALYZED AND REPORTED SEPARATELY.

SAMPLE WAS ANALYZED BY PLM USING DISPERSION STAINING TECHNIQUES IN ACCORDANCE WITH US EPA METHOD: 600/M4-82/020 of Dec. 1982 and 600/R-93/116 OF JULY 93.

MICROANALYST:

Karen Acosta

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate, 2nd. Floor, Santurce, P.R. 00907

Ph: (787) 722-0220 Fax: (787) 724-5788

Transmittal Sheet for Bulk Sample Analysis

Client Name:

Address:

Contact:

Phone/Fax:

R&T PROFESSIONAL EQUIP. INC.
PO Box 289, NAYAGU, P.R. 01718
ANTHONY RABINSTEIN
787-637-2262

Project Name:

Site Location:

Samplers Name:

Company:

ASB INSPECTION
PRTD. SALUD.
AVE. LEONAR MEDINA, 53 PA
ANTHONY RABINSTEIN
R&T PROFESSIONAL

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
ASB-030	MAIN BLDG 2ND FLOOR LAB. ASUA POTABLE - CORRIDOR. VET WITH MASTIC, GRAY	8-8-19	10:45	✓			190800 10.01
ASB-031	MAIN BLDG 2ND FL. CHEMICAL LAB. CORRIDOR. GRAY VET WITH MASTIC		10:13	✓			12
ASB-032	M.B-2ND LAB. ADMINIS- TRATION OF PUBLIC HEALTH DEPT. OFF. W. MASTIC		10:14	✓			13
ASB-033	M.B-2ND ADMIN. OF PUB. HEALTH. WHT. VET. W. MASTIC		10:27	✓			14
ASB-034	M.B-2ND LAB. CHEMICAL, ASUA POTABLE GRAY VET. W. MASTIC		10:40	✓			15
ASB-035	M.B-2ND LAB COMMON CORRIDOR AREA, WHT. BASE GRAY MASTIC		10:48	✓			16
ASB-036	M.B-1ST MAIN CORRIDOR WHT CEILING PLASTER		11:01	✓			17
ASB-037	M.B-1ST MAIN CORRIDOR WHT CEILING PLASTER (OFF. 153)		11:10	✓			18
ASB-038	M.B-1ST MAIN CORRIDOR AREA, WHT. ACROSTIC CEILING 2ND FLOOR 153		11:12	✓			19
ASB-039	M.B-1ST OFFICE 155 OLD WHT ACROSTIC CEILING		11:25	✓			20
ASB-040	M.B-1ST OFFICE 153 CREAM VET W. MASTIC BLK		11:33	✓			21
ASB-041	M.B-1ST OFF. 152-A VET (CREAM)		11:41	✓			22
ASB-042	M.B-1ST OFF. 152-A CREAM VET. W. BLK MASTIC		11:45	✓			23

Turnaround Time:

Normal:

Rush:

Relinquished By:

Date/ Time:

Received By:

Date/ Time:

Relinquished By:

Date/ Time:

Received By:

Date/ Time:

Delivered Directly to Lab:

Method of Shipment:

Lab. Recipient:

Date:

*Job ID: B19080010



RS Professional

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate, 2nd. Floor, Santurce, P.R. 00907

Ph: (787) 722-0220 Fax: (787) 724-5788

Transmittal Sheet for Bulk Sample Analysis

Client Name:

Address:

Contact:

Phone/Fax:

Project Name:

Site Location:

Samplers Name:

Company:

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
ASB-043	M.B. 1ST CORRIDOR 12EA. G.F. 103, WHT CEILING, PLASTER	8-8-19	11:51	✓			14
ASB-044	M.B. BASEMENT OFF 1 CREAM DOWN SEVER VET		11:58	✓			15
ASB-045	M.B. BASEMENT OFF 4 UP LAYER, CREAM VET WHT		12:03	✓			16
ASB-046	M.B. BASEMENT OFF 4 DUL LAYER VET W. BKG		12:18	✓			17
ASB-047	M.B. BASEMENT RADIOLUX HEALTH DIV. STORAGE ROOM CEILING INSULATION W. MATT		12:17	✓			18
ASB-048	M.B. BASEMENT, ELEC. ROOM, GRAY WINDOWS TRANSISTE		12:23	✓			19
ASB-049	M.B. BASEMENT, ELEC. ROOM, GRAY CAULKING WINDOWS		12:25	✓			20
ASB-050	M.B. BASEMENT LADEN ENTRANCE, TSI WHT		12:40	✓			21
ASB-051	M.B. GARDEN AREA WHT STUCCO CEILING, MAT		1:01	✓			22
ASB-052	M.B. GARDEN AREA WHT STUCCO, CEILING, MAT		1:11	✓			23

Turnaround Time:

Normal:

Rush:

Relinquished By:

Date/ Time:

Received By:

Date/ Time:

Relinquished By:

Date/ Time:

Received By:

Date/ Time:

Delivered Directly to Lab

Method of Shipment:

Lab. Recipient:

Date:

*Job ID: B19080010



RS Professional



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080010



REPORT NUMBER



RP19081201

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/08/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/08/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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B19080010.01 B19080010.01.A ASB-030 Layer % of Total :100%	Hard, Compact, Partly Granular with Black Mastic Other - and Fibers Gray	No		Cellulose 2	Binders/Paint 68 Sand/Aggregates 22 Bitumen 8
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Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 2nd Floor, Lab Agua Potable, Corridor, VFT with Mastic, Gray

Comments:

B19080010.02 B19080010.02.A ASB-031 Layer % of Total :100%	Hard, Compact, Partly Granular with Black Mastic Other - and Fibers Light Gray	No		Cellulose 3	Binders/Paint 65 Sand/Aggregates 24 Bitumen 8
--	--	----	--	-------------	---

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 2nd Floor, Chemical Lab, Corridor, Gray VFT with Mastic

Comments:

B19080010.03 B19080010.03.A ASB-032 Layer % of Total :100%	Hard, Compact, Partly Granular with Glue Other - and Fibers Cream	No		Cellulose 2	Binders/Paint 68 Sand/Aggregates 25 Glue 5
--	---	----	--	-------------	--

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 2nd Floor, Lab Administracion of Public Health, Gray VFT with Mastic

Comments:

B19080010.04 B19080010.04.A ASB-033 Layer % of Total :100%	Semi Hard, Glue and Fibers White	No		Cellulose 5	Glue 95
--	-------------------------------------	----	--	-------------	---------

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 2nd Floor, Admin of Pub Health, WHT AC Mastic

Comments:

MICROANALYST:

Karen Acosta

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080010



REPORT NUMBER



RP19081201

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/08/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/08/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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B19080010.05	Hard, Compact, Parity Granular with Black Mastic	No		Cellulose 2	Binders/Paint 68
B19080010.05.A	Other - and Fibers				Sand/Aggregates 24
ASB-034	Gray				Bitumen 6

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 2nd Floor, Lab Chemical (Agua Potable) Gray VFT with Mastic

Comments:

B19080010.06	Semi Hard, Brown Glue and Fibers	No		Cellulose 4	Glue 96
B19080010.06.A	Brown				
ASB-035					

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 2nd Floor, Lab Chemical Corridor Area, Wall Base Brw Mastic

Comments:

B19080010.07	Semi Hard, Fibrous With Paint	No		Cellulose 35	Binders/Paint 65
B19080010.07.A	Cream				
ASB-036					

ASB-036

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 1st Floor, Main Corridor, WHT Ceiling Plaster

Comments:

Paint Included As Binders

B19080010.08	Semi Hard, Aggregates, Fibers and Paint	No		Cellulose 30	Sand/Aggregates 45
B19080010.08.A	Cream				Binders/Paint 25
ASB-037					

ASB-037

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 1st Floor, Main Corridor, WHT Ceiling Plaster (Off 153)

Comments:

MICROANALYST:

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



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Job ID: B19080010



REPORT NUMBER



RP19081201

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/08/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/08/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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Paint Included As Binders

B19080010.09	Semi Hard, Fibrous with Perlite	No		Cellulose 15	Perlite 15
B19080010.09.A	and Paint			Synthetic 18	Binders/Paint 30
ASB-038	Gray			Mineral Wool 22	

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 1st Floor, Main Corridor, WHT Acoustic Ceiling 2'x 4' Panel (153)

Comments:

Paint Included As Binders

B19080010.10	Semi Hard, Fibrous With Paint	No		Cellulose 25	Binders/Paint 75
B19080010.10.A	Brown				

ASB-039

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 1st Floor, Office 155, Old WHT Acoustic Ceiling

Comments:

Paint Included As Binders

B19080010.11	Hard, Compact, Partly Granular	No		Cellulose 2	Binders/Paint 65
B19080010.11.A	with Black Mastic				Sand/Aggregates 25
ASB-040	Other - and Fibers				Bitumen 8
	Cream				

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 1st Floor, Office 153, Cream VFT w. Mastic Blk

Comments:

B19080010.12	Hard, Compact, Partly Granular	No		Cellulose 2	Binders/Paint 64
B19080010.12.A	with Glue				Sand/Aggregates 28
ASB-041	Other - and Fibers				Glue 6
	Cream				

Layer % of Total :100%

Date Analyzed: 08/09/2019

MICROANALYST:

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



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611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

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Job ID: B19080010



REPORT NUMBER

RP19081201

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/08/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/08/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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Sample Location: Main Bldg, 1st Floor, Office 152-A, Cream VFT

Comments:

B19080010.13	Hard, Compact, Partly Granular with Black Mastic	Yes	Chrysotile 2	Cellulose 2	Binders/Paint 66
B19080010.13.A	Other - and Fibers				Sand/Aggregates 24
ASB-042	Cream				Bitumen 6
Layer % of Total :100%					

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 1st Floor, Office 152-A, Cream VFT W Blk Mastic

Comments:

B19080010.14	Semi Hard, Fibrous With Paint	No		Cellulose 40	Binders/Paint 60
B19080010.14.A	Cream				
ASB-043					
Layer % of Total :100%					

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, 1st Floor, Corridor Area, Off 143, Wht Ceiling Plaster

Comments:

Paint Included As Binders

B19080010.15	Hard, Compact, Partly Granular with Black Mastic	Yes	Chrysotile 2	Cellulose 3	Binders/Paint 63
B19080010.15.A	Other - and Fibers				Sand/Aggregates 24
ASB-044	Cream				Bitumen 8
Layer % of Total :100%					

Date Analyzed: 08/09/2019

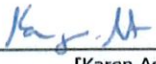
Sample Location: Main Bldg, Basement, Off 1, Cream Down Layer, VFT W Mastic Blk

Comments:

B19080010.16	Hard, Compact, Partly Granular with Black Mastic	Yes	Chrysotile 2	Cellulose 2	Binders/Paint 68
B19080010.16.A	Other - and Fibers				Sand/Aggregates 22
ASB-045	Cream				Bitumen 6
Layer % of Total :100%					

Date Analyzed: 08/09/2019

MICROANALYST:


[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080010



REPORT NUMBER



RP19081201

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/08/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/08/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
---------------	--------------------	-------------------	-----------------	--------------	------------------------

Sample Location: Main Bldg, Basement, Off 4, Cream Up Layer, VFT W Mastic Blk

Comments:

B19080010.17	Hard, Compact, Partly Granular	No		Cellulose 2	Binders/Paint 72
B19080010.17.A	with Glue				Sand/Aggregates 22
ASB-046	Other - and Fibers				Glue 4
Layer % of Total :100%	Black				

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, Basement, Off 4, Dw Layer VFT W Blk Mastic

Comments:

B19080010.18	Soft, Fibrous with Black Mastic	No		Cellulose 10	Bitumen 50
B19080010.18.A	Black			Glass Fibers 25	
ASB-047				Synthetic 15	
Layer % of Total :100%					

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, Basement Radiology Health Div Storage, Ceiling Insulation W Mastic

Comments:

B19080010.19	Hard, Compact with Aggregates,	Yes	Chrysotile 15	Cellulose 5	Sand/Aggregates 70
B19080010.19.A	Fibers				Binders/Paint 10
ASB-048	Other - and Paint				
Layer % of Total :100%	Gray				

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, Basement, Elect. Room, Gray Window Transite

Comments:

Paint Included As Binders

B19080010.20	Hard, Aggregates, Paint and	No		Cellulose 5	Binders/Paint 55
B19080010.20.A	Fibers				Sand/Aggregates 40
ASB-049	Brown				
Layer % of Total :100%					

Date Analyzed: 08/09/2019

MICROANALYST:

[Karen Acosta]

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ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080010



REPORT NUMBER



RP19081201

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/08/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/08/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Client Sample ID					

Sample Location: Main Bldg, Basement, Elect. Room, Gray Window Caulking

Comments:

B19080010.21	Soft, Silty, Fibrous with Paint	Yes	Chrysotile 20	Cellulose 12	Binders/Paint 62
B19080010.21.A	White			Glass Fibers 6	
ASB-050					

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, Basement, Lader Entrance TSI WHT

Comments:

Paint Included As Binders

B19080010.22	Semi Hard with Aggregates,	No		Cellulose 4	Perlite 20
B19080010.22.A	Perlite, Paint				Binders/Paint 36
ASB-051	Other - and Fibers				Sand/Aggregates 40
	White				

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, Garden Area, WHT, Stucco Ceiling Mat.

Comments:

Paint Included As Biinders

B19080010.23	Semi Hard with Aggregates,	No		Cellulose 5	Perlite 12
B19080010.23.A	Perlite, Paint				Binders/Paint 38
ASB-052	Other - and Fibers				Sand/Aggregates 45
	White				

Layer % of Total :100%

Date Analyzed: 08/09/2019

Sample Location: Main Bldg, Garden Area, WHT, Stucco Ceiling Mat.

Comments:

Paint Included As Binders

Comments:

FOR ALL HETEROGENEOUS AND LAYERED SAMPLES EASILY SEPARATED INTO SUBLAYERS, EACH COMPONENT IS ANALYZED AND REPORTED SEPARATELY.

SAMPLE WAS ANALYZED BY PLM USING DISPERSION STAINING TECHNIQUES IN ACCORDANCE WITH US EPA METHOD: 600/M4-82/020 of Dec. 1982 and 600/R-93/116 OF JULY 93.

MICROANALYST: Karen Acosta

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate, 2nd. Floor, Santurce, P.R. 00907

Ph: (787) 722-0220 Fax: (787) 724-5788

Transmittal Sheet for Bulk Sample Analysis

Client Name:

Address:

Contact:

Phone/Fax:

RS PROFESSIONAL EQUIPMENT
PO BOX 289, NAGUASSO, P.R. 00971
ANTHONY ROBINSON
787-633-7287

Project Name:

Site Location:

Samplers Name:

Company:

ASB INSPECTION
B190. SALUD

AVE. CENTAD MEDICA SS. P4
ANTHONY ROBINSON
RS PROFESSIONAL

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
ASB-053	WHITE FIBER PLASTER MAIN BUILDING (M-B) 3ST MAIN CORRIDOR OFF 155-154	8-15-19	14:44	X			190800 14.01
ASB-054	WHITE ACUSTIC CEILING 2ND MB. M. CORRIDOR COPY AREA		15:00	X			12
ASB-055	CEILING PANEL, MB COPY AREA		15:02	X			13
ASB-056	WHITE FIBER PLASTER IN CEILING, MB STORAGE AREA		15:11	X			14
ASB-057	ROOFING MATERIAL SOUTH WEST AREA		15:36	X			15
ASB-058	BITUMEN FARM AS BUC SOUTH WEST AREA ON ROAD		15:41	X			16
ASB-059	ROOFING MATERIAL, MB CENTER CENTER AREA		15:53	X			17
ASB-060	ROOFING MATERIAL CENTER AREA		15:58	X			18
ASB-061	PLASTER MATERIAL		16:02	X			19
ASB-062	PLASTER MATERIAL		16:03	X			10

Turnaround Time:

Normal:

Rush:

Relinquished By:	<i>Anthony Robinson</i>	Delivered Directly to Lab:	☐	Shipped:	☐
Date/ Time:	8-15-19 10:00	Method of Shipment:			
Received By:	<i>Anthony Robinson</i>	Lab. Recipient:			
Date/ Time:	8/16/19 10:00	Date:			
Relinquished By:					
Date/ Time:					
Received By:					
Date/ Time:					

*Job ID: B19080016



RS Professional



ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080016



REPORT NUMBER



RP19082002

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/15/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/16/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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B19080016.01	Soft, Silty, Fibrous with Paint Cream	No		Cellulose 35	Binders/Paint 65
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B19080016.01.A

ASB-053

Layer % of Total :100%

Date Analyzed: 08/20/2019

Sample Location: White Fiber Plaster Main Bldg, LM-B 1st Main Corridor Off 165-164

Comments:

Paint Included As Binders

B19080016.02	Semi Hard, Fibrous with Perlite and Paint Gray	No		Cellulose 18 Synthetic 20 Mineral Wool 22	Perlite 12 Binders/Paint 28
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B19080016.02.A

ASB-054

Layer % of Total :100%

Date Analyzed: 08/20/2019

Sample Location: White Acoustuc Ceiling 2x4 MB M Corridor, Lobby Entrance Area

Comments:

Paint Included As Binders

B19080016.03	Semi Hard, Wood with Fibers Brown	No		Cellulose 40	Binders/Paint 60
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B19080016.03.A

ASB-055

Layer % of Total :100%

Date Analyzed: 08/20/2019

Sample Location: Ceiling Panel, MB Lobby Area

Comments:

Wood Included As Binders

B19080016.04	Semi Hard, Fibrous with Aggegates and Paint Cream	No		Cellulose 20	Binders/Paint 50 Sand/Aggregates 30
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B19080016.04.A

ASB-056

Layer % of Total :100%

Date Analyzed: 08/20/2019

MICROANALYST:

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



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611 Monserrate Street, 2nd. Floor, Santurce, P.R. 00907

PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080016



REPORT NUMBER



RP19082002

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/15/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/16/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
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Sample Location: White Fiber Plaster in Ceilings, MB, Storage Area

Comments:

Paint Included As Binders

B19080016.05	Semi Hard, Bituminous with	No		Cellulose 10	Bitumen 60
B19080016.05.A	Fibers and Paint			Mineral Wool 20	Binders/Paint 10
ASB-057	Black				

Layer % of Total :100%

Date Analyzed: 08/20/2019

Sample Location: Roofing Material, Southwest Area

Comments:

Paint Included As Binders

B19080016.06	Semi hard, bituminous with	No		Cellulose 5	Bitumen 87
B19080016.06.A	paint and fibers				Binders/Paint 8
ASB-058	Black				

Layer % of Total :100%

Date Analyzed: 08/20/2019

Sample Location: Bitumen From AC Duct, Southwest Area in Riif

Comments:

Paint Included As Biinders

B19080016.07	Semi Hard, Bituminous with	No		Cellulose 5	Bitumen 55
B19080016.07.A	Aggregate and Fibers			Glass Fibers 15	Sand/Aggregates 25
ASB-059	Black				

Layer % of Total :100%

Date Analyzed: 08/20/2019

Sample Location: Roofing Material, MB, Center Area

Comments:

MICROANALYST:

Karen Acosta

[Karen Acosta]

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Job ID: B19080016



REPORT NUMBER

RP19082002

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/15/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/16/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Client Sample ID					
B19080016.08	Semi hard, Bituminous with	No		Cellulose 4	Bitumen 49
B19080016.08.A	Paint, Aggregates			Synthetic 8	Sand/Aggregates 14
ASB-060	Other - and Fibers				Binders/Paint 25
	Black				
Layer % of Total :100%					

Date Analyzed: 08/20/2019

Sample Location: Roofing Material, Center Area

Comments:

Paint Included As Binders

B19080016.09	Soft, Silty and Fibers	No		Cellulose 30	Binders/Paint 70
B19080016.09.A	Cream				
ASB-061					
Layer % of Total :100%					

Date Analyzed: 08/20/2019

Sample Location: Plaster Material

Comments:

B19080016.10	Semi Hard, Aggregates and	No		Cellulose 4	Sand/Aggregates 96
B19080016.10.A	Fibers				
ASB-062	Cream				
Layer % of Total :100%					

Date Analyzed: 08/20/2019

Sample Location: Plaster Material

Comments:

Comments:

FOR ALL HETEROGENEOUS AND LAYERED SAMPLES EASILY SEPARATED INTO SUBLAYERS, EACH COMPONENT IS ANALYZED AND REPORTED SEPARATELY.

SAMPLE WAS ANALYZED BY PLM USING DISPERSION STAINING TECHNIQUES IN ACCORDANCE WITH US EPA METHOD: 600/M4-82/020 of Dec. 1982 and 600/R-93/116 OF JULY 93.

MICROANALYST:

Karen Acosta

[Karen Acosta]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.

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Ph: (787) 722-0220 Fax: (787) 724-5788

Transmittal Sheet for Bulk Sample Analysis

Client Name: R2S PROFESSIONAL LLC
 Address: PO BOX 209, NAGUABO PR 00718
 Contact: ANTHONY RABISON
 Phone/Fax: 787-637-7262

Project Name: ASB. Inspection
 Site Location: DPFO SALON
 Samplers Name: ANTHONY RABISON
 Company: R2S PROFESSIONAL LLC

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
ASB-063	UTF WITH WHF. MASTIC PAVILION 2, FL 1 ROOM 1	8-30-19	12:15	X			8010070.01
ASB-064	UTF WITH BLK. PLASTIC PAVILION 2 FL 2 ROOM 3		12:23	X			02
ASB-065	UTF WITH BLK. MASTIC PAVILION 2 FL 2 ROOM 4		12:27	X			03
ASB-066	UTF WITH BLK MASTIC PAVILION 2 FL 2		12:34	X			04
ASB-067	TRANSITE, PAVILION 2 FL 2, FLOOR TRANSITE		12:40	X			05
ASB-068	ROOFING MATERIAL 2 AUDITORIUM BUILDING		12:55	X			06
ASB-069	UTF WITH WHF. MASTIC, PAVILION 4 Q. 2		13:01	X			07
ASB-070	UTF WITH BLK MASTIC PAVILION 4 Room 1		13:09	X			08
ASB-071	UTF WITH BLK. PLASTIC PAVILION 3 Room 1		13:16	X			09
ASB-072	UTF WITH YEL. MASTIC LAB STORAGE BUILDING		13:26	X			10
ASB-073	COUNTER LAB. LABORATORY BE QABOA		13:39	X			11
ASB-074	ROOFING MATERIAL LAB. RABIN		13:45	X			12
ASB-075	ROOFING MATERIAL EXTERIOR LAYER LAB STORAGE BUILDING		13:47	X			13

Turnaround Time:

Normal: ☐

Rush: ☒

Relinquished By: <u>[Signature]</u>	Delivered Directly to Lab: ☐	Shipped: ☐
Date/ Time: <u>8-30-19 16:24</u>	Method of Shipment: _____	
Received By: <u>[Signature]</u>	Lab. Recipient: _____	
Date/ Time: <u>8/30/19 16:30</u>	Date: _____	
Relinquished By: _____	Job ID: B19080030	
Date/ Time: _____		
Received By: _____	RS Professional	
Date/ Time: _____		

ANALYTICAL ENVIRONMENTAL SERVICES INTERNATIONAL, INC.

611 Monserrate, 2nd. Floor, Santurce, P.R. 00907

Ph: (787) 722-0220 Fax: (787) 724-5788

2/2

Transmittal Sheet for Bulk Sample Analysis

Client Name: RLS PROFESSIONAL
 Address: ANTHONY ROBINSON
 Contact: 207-637-7262
 Phone/Fax: 207-637-7262

Project Name: DDFD. SALUD
 Site Location: AV. LENTAS MEDIO
 Samplers Name: ANTHONY ROBINSON
 Company: RLS

Chain of Custody Record

Sample I. D.	Sample Description (i.e. Location, Name, etc.)	Collected		Analysis Required		Comments	Laboratory I.D.
		Date	Time	PLM	Other		
ASB-076	ROCKING MATERIAL EPIRIAL LAYERS STORAGE FILE BLDG	8-30 19	13:44	X			1908020.14
ASB-077	ROCKING MATERIAL STORAGE FILE BLDG ANEXO	1	13:53	X			15
ASB-078	CEILING TRANSITE, EPI STORAGE FILE BLDG		13:57	X			16
ASB-079	ROCKING TRANSITE STORAGE FILE BLDG		14:01	X			17
ASB-080	ROCKING MATERIAL ACERAZO DE LAB. BLDG		14:05	X			18
ASB-081	ROCKING MATERIAL ACERAZO DE LAB ANEXO		14:10	X			19
ASB-082	UTR WITA WNF MARTEL		14:15	X			20
ASB-082	SOTANU						

Turnaround Time:

Normal: ☐

Rush: ☒

Relinquished By: <u>Anthony Robinson</u>	Delivered Directly to Lab: ☐	Shipped: ☐
Date/ Time: <u>30/8/19 16:24</u>	Method of Shipment:	
Received By: <u>RLS</u>	Lab. Recipient:	
Date/ Time: <u>8/20/19 16:30</u>	Date:	
Relinquished By:	Job ID: B19080030	
Date/ Time:		
Received By:	RS Professional	
Date/ Time:		



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Job ID: B19080030



REPORT NUMBER



RP19090401

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/30/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/30/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B19080030.01 B19080030.01.A ASB-063 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: VFT with WHT Mastic Pavilion 2, FL 1 Room 1 Comments:	Hard, Compact, Parly Granular with Glue Other - and Fibers Cream	No		Cellulose 2	Binders/Paint 66 Sand/Aggregates 22 Glue 10
B19080030.02 B19080030.02.A ASB-064 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: VFT with Black Mastic Pavilion 2, FL 1 Room 3 Comments:	Hard, Compact, Parly Granular with Black Mastic Other - and Fibers Cream	No		Cellulose 2	Binders/Paint 71 Sand/Aggregates 22 Bitumen 5
B19080030.03 B19080030.03.A ASB-065 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: VFT with Black Mastic Pavilion 2, FL 1 Room 4 Comments:	Hard, Compact, Parly Granular with Black Mastic Other - and Fibers Cream	No		Cellulose 2	Binders/Paint 63 Sand/Aggregates 25 Bitumen 10
B19080030.04 B19080030.04.A ASB-066 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: VFT with Black Mastic Pavilion 2, FL 2 Comments:	Hard, Compact, Parly Granular with Black Mastic Other - and Fibers Cream	No		Cellulose 2	Binders/Paint 70 Sand/Aggregates 22 Bitumen 6

MICROANALYST:

Karen Acosta
[Karen Acosta]

QUALITY CONTROL:

E.R.
[Elme Rivera]

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Job ID: B19080030



REPORT NUMBER

RP19090401

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/30/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/30/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B19080030.05 B19080030.05.A ASB-067 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: Transite, Pavilion 2 F2.2, Floor Transite Comments:	Semi Hard, Fibrous with Aggegates and Paint Gray	Yes	Chrysotile 15	Cellulose 8	Binders/Paint 55 Sand/Aggregates 22
B19080030.06 B19080030.06.A ASB-068 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: Roofing Material Auditoria Building Comments: Paint Included As Binders	Semi Hard, Bituminous with Fibers and Paint Black	No		Cellulose 8 Synthetic 15	Bitumen 72 Binders/Paint 5
B19080030.07 B19080030.07.A ASB-069 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: VFT with WHT Mastic Pavilion 4, Room2 Comments:	Hard, Compact, Parly Granular with Glue Other - and Fibers Cream	No		Cellulose 2	Binders/Paint 65 Sand/Aggregates 25 Bitumen 8
B19080030.08 B19080030.08.A ASB-070 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: VFT with Black Mastic Pavilion 4, Room1 Comments:	Hard, Compact, Parly Granular with Black Mastic Other - and Fibers Cream	No		Cellulose 3	Binders/Paint 65 Sand/Aggregates 24 Bitumen 8

MICROANALYST: Karen Acosta
[Karen Acosta]

QUALITY CONTROL: Elme Rivera
[Elme Rivera]

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Job ID: B19080030



REPORT NUMBER



RP19090401

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/30/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/30/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
B19080030.09 B19080030.09.A ASB-071 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: VFT with Black Mastic Pavilion 3, Room 1 Comments:	Hard, Compact, Parly Granular with Glue Other - Black Mastic and Fibers Cream	No		Cellulose 3	Binders/Paint 52 Sand/Aggregates 25 Glue 12 Bitumen 8
B19080030.10 B19080030.10.A ASB-072 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: VFT with Yellow Mastic, Storage Building Comments:	Hard, Compact, Parly Granular with Glue Other - and Fibers Cream	No		Cellulose 2	Binders/Paint 64 Sand/Aggregates 22 Glue 12
B19080030.11 B19080030.11.A ASB-073 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: Counter Lab. Laboratorio Comments:	Semi Hard, Compact, Aggregates and Fibers Black	Yes	Chrysotile 10	Cellulose 2	Binders/Paint 58 Sand/Aggregates 30
B19080030.12 B19080030.12.A ASB-074 Layer % of Total :100% Date Analyzed: 09/03/2019 Sample Location: Roofing Material, Lab Comments:	Semi Hard, Bituminous with Fibers Black	Yes	Chrysotile 10	Cellulose 5	Bitumen 85

MICROANALYST:

Karen Acosta

[Karen Acosta]

QUALITY CONTROL:

E. Rivera

[Elme Rivera]

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Job ID: B19080030



REPORT NUMBER



RP19090401

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/30/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/30/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Client Sample ID					
B19080030.13	Semi hard, bituminous with paint and fibers Black/White	No		Cellulose 5 Glass Fibers 12	Bitumen 48 Binders/Paint 35
B19080030.13.A					
ASB-075					
Layer % of Total :100%					

Date Analyzed: 09/03/2019

Sample Location: Roofing Material, Exterior Layer Storage Building

Comments:

Paint Included As Binders

B19080030.14	Semi Hard, Bituminous with Fibers and Aggregates Other - and Fibers Black	Yes	Chrysotile 3	Cellulose 5 Glass Fibers 10	Bitumen 62 Sand/Aggregates 20
B19080030.14.A					
ASB-076					
Layer % of Total :100%					

Date Analyzed: 09/03/2019

Sample Location: Roofing Material, Exterior Layer Storage File Building

Comments:

Paint Included As Binders

B19080030.15	Semi hard, Bituminous with Paint, Aggregates Other - and Fibers Black/Gray/White	No		Cellulose 5 Glass Fibers 10	Bitumen 38 Binders/Paint 12 Sand/Aggregates 35
B19080030.15.A					
ASB-077					
Layer % of Total :100%					

Date Analyzed: 09/03/2019

Sample Location: Roofing Material, Storage File Bldg Anexo

Comments:

Paint Included As Binders

B19080030.16	Hard, Compact with Aggregates and Fibers Gray	Yes	Chrysotile 15	Cellulose 5	Binders/Paint 55 Sand/Aggregates 25
B19080030.16.A					
ASB-078					
Layer % of Total :100%					

Date Analyzed: 09/03/2019

MICROANALYST:

Karen Acosta
[Karen Acosta]

QUALITY CONTROL:

E.R.
[Elme Rivera]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION. EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



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PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080030



REPORT NUMBER



RP19090401

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/30/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/30/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
---------------	--------------------	-------------------	-----------------	--------------	------------------------

Sample Location: Ceiling Transite, Storage File, Bldg

Comments:

B19080030.17	Hard, Compact with Aggregates and Fibers	Yes	Chrysotile 10	Cellulose 5	Binders/Paint 60
B19080030.17.A	Gray				Sand/Aggregates 25
ASB-079					
Layer % of Total :100%					

Date Analyzed: 09/03/2019

Sample Location: Roofing Transite Storage File Bldg.

Comments:

B19080030.18	Semi Hard, Bituminous with Aggregate and Fibers	No		Cellulose 5	Bitumen 59
B19080030.18.A	Black			Glass Fibers 12	Sand/Aggregates 24
ASB-080					
Layer % of Total :100%					

Date Analyzed: 09/03/2019

Sample Location: Roofing Material, Almacen de Lab. Bldg.

Comments:

B19080030.19	Semi Hard, Bituminous with Aggregate and Fibers	No		Cellulose 5	Bitumen 59
B19080030.19.A	Black			Glass Fibers 12	Sand/Aggregates 24
ASB-081					
Layer % of Total :100%					

Date Analyzed: 09/03/2019

Sample Location: Roofing Material, Almacen de las ANEXO

Comments:

B19080030.20	Hard, Compact, Parly Granular with Glue	No		Cellulose 2	Binders/Paint 70
B19080030.20.A	Other - and Fibers				Sand/Aggregates 24
ASB-082	Gray				Glue 4
Layer % of Total :100%					

Date Analyzed: 09/03/2019

Sample Location: VFT with WHT Mastic Sotano

MICROANALYST:

Karen Acosta

[Karen Acosta]

QUALITY CONTROL:

E. Rivera

[Elme Rivera]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION, EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.



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PH. (787) 722-0220 Fax (787) 724-5788

Job ID: B19080030



REPORT NUMBER



RP19090401

POLARIZED LIGHT MICROSCOPY (PLM) BULK SAMPLE ANALYSIS REPORT

Client Name:	RS Professional	Date Collected:	08/30/2019
Project Name:	Asb Inspeccion - Dpto. Salud	Date Received:	08/30/2019
Project ID:			

RESULT OF ANALYSIS (BY % AREA VISUAL ESTIMATE)

Lab Sample ID	Sample Description	Asbestos Detected	Asbestos Fibers	Other Fibers	Non - Fibrous Material
Client Sample ID					

Comments:

Comments:

FOR ALL HETEROGENEOUS AND LAYERED SAMPLES EASILY SEPARATED INTO SUBLAYERS, EACH COMPONENT IS ANALYZED AND REPORTED SEPARATELY.

SAMPLE WAS ANALYZED BY PLM USING DISPERSION STAINING TECHNIQUES IN ACCORDANCE WITH US EPA METHOD: 600/M4-82/020 of Dec. 1982 and 600/R-93/116 OF JULY 93.

MICROANALYST:

Karen Acosta

[Karen Acosta]

QUALITY CONTROL:

E. Rivera

[Elme Rivera]

PLM IS NOT CONSISTENTLY RELIABLE IN DETECTING SMALL CONCENTRATION OF ASBESTOS IN FLOOR TILES AND SIMILAR NONFRIABLE MATERIALS. QUANTITATIVE TEM IS CURRENTLY THE ONLY METHOD THAT CAN BE USED TO GET THE CONCLUSIVE ASBESTOS CONTENT. THIS REPORT RELATES ONLY TO THE ITEMS TESTED. THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL AND NOT WITHOUT WRITTEN APPROVAL OF THE LABORATORY. THIS REPORT SHALL NOT BE USED TO CLAIM ENDORSEMENT BY NVLAP OR ANY AGENCY OF OF THE US GOVERNMENT. ANALYSIS OF FLOOR TILE IS NOT COVERED BY THE CURRENT NEW YORK ELAP CERTIFICATION, EPA METHOD 600/M4-82-020: INTERIM METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK INSULATION SAMPLES.

APÉNDICE IV

Fotos Selectivas.

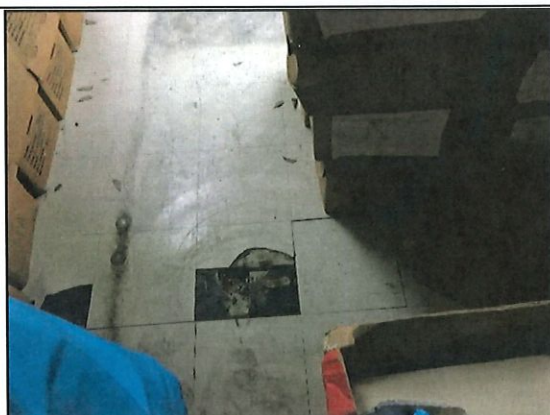


Foto 1. ASB-001

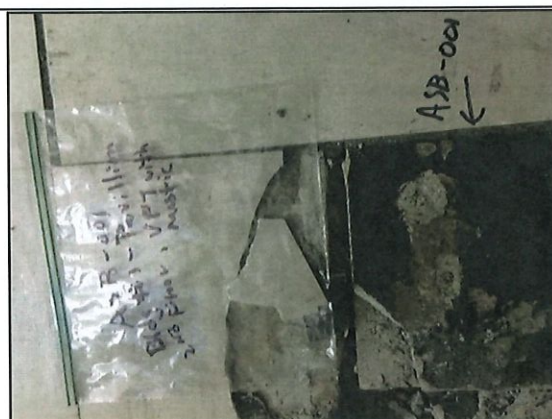


Foto 2. ASB-001



Foto 3. ASB-002



Foto 4. ASB-003

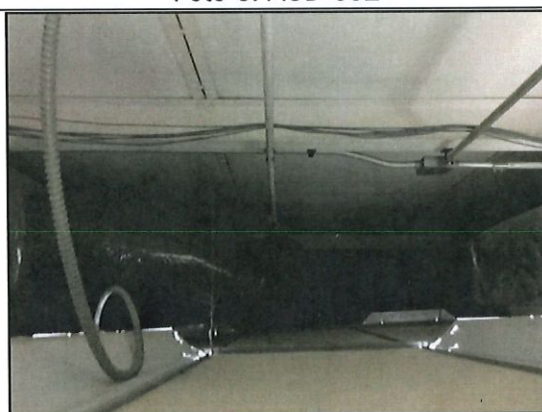


Foto 5. ASB-003

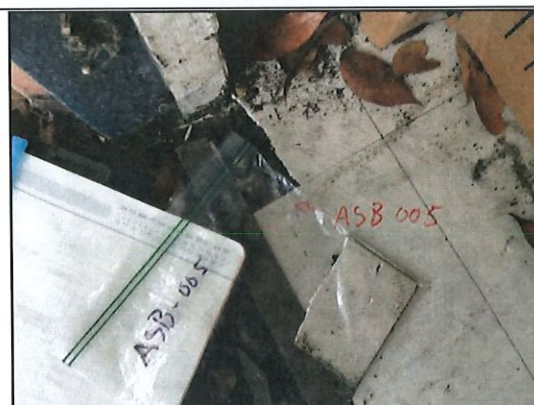


Foto 6. ASB-005

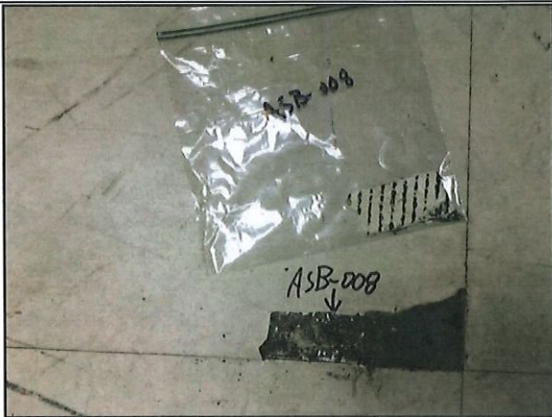


Foto 7. ASB-008



Foto 8. ASB-011



Foto 9. ASB-012; ASB-13



Foto 10. ASB-011; ASB-012; ASB-013



Foto 11. ASB-P2-1



Foto 12. ASB-P2-2



Foto 13. ASB-067

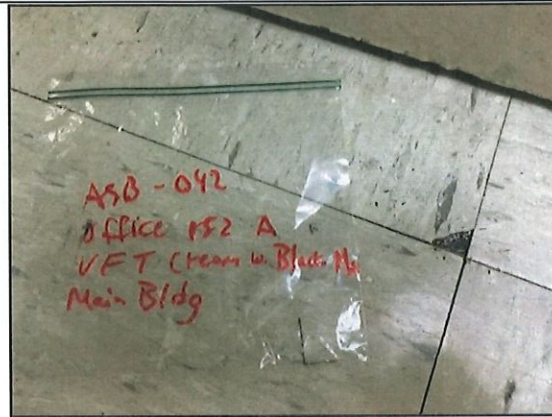


Foto 14. ASB-042



Foto 15. ASB-044

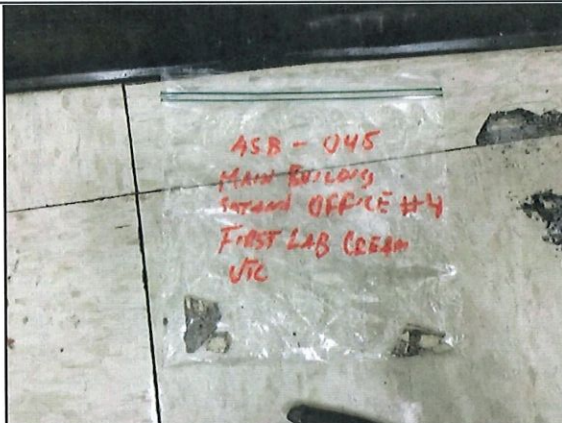


Foto 16. ASB-045

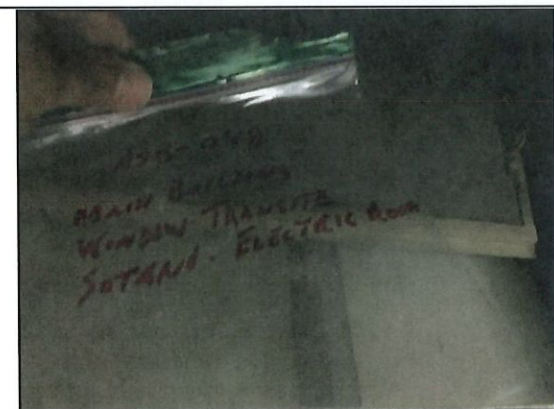


Foto 17. ASB-048



Foto 18. ASB-048



Foto 19. Ventanas con Transite



Foto 20. Ventanas con Transite

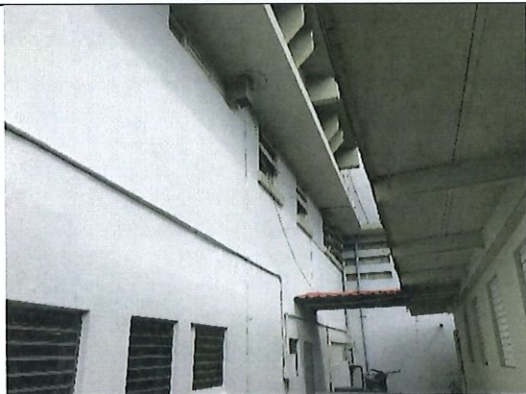


Foto 21. Ventanas con Transite



Foto 22. Ventanas con Transite



Foto 23. Ventanas con Transite



Foto 24. Ventanas con Transite



Foto 25. Ventanas con Transite



Foto 26. Ventanas con Transite



Foto 27. Ventanas con Transite



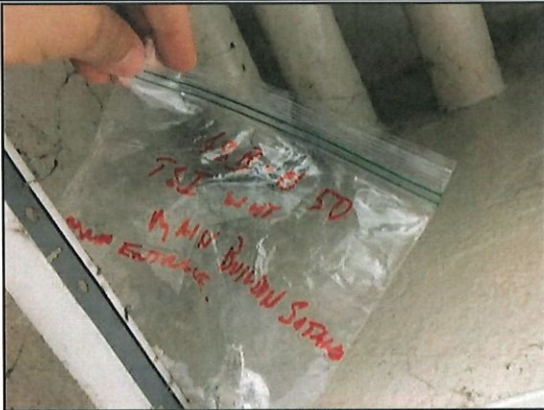
Foto 28. Ventanas con Transite



Foto 29. Transite en techo



Foto 30. Roofing Material deteriorado



ASB-050



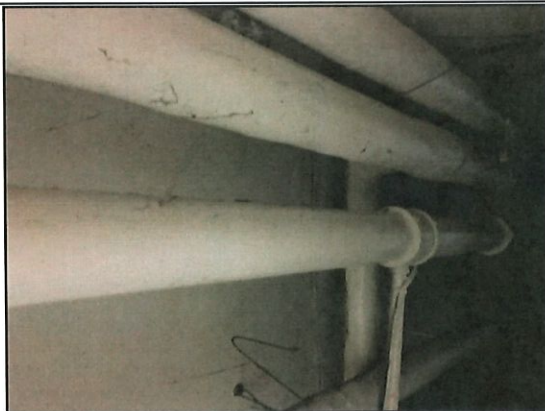
ASB-050



ASB-050



ASB-050



ASB-050



ASB-076; ASB-078; ASB-079

R & S

PROFESSIONAL
EQUIPMENT, INC.

P.O. Box 289, Naguabo P.R. 00718
Teléfono (787) 874-5195 • Fax (787) 874-8910



ASB-073



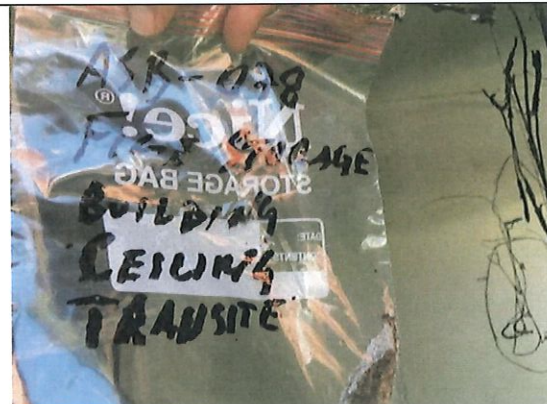
ASB-074



ASB-076



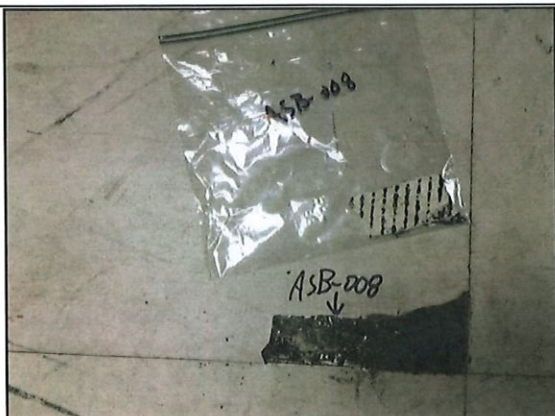
ASB-076; ASB-078; ASB-079



ASB-078



ASB-076; ASB-078; ASB-079



ASB-008



ASB-011



ASB-012; ASB-13



ASB-011; ASB-012; ASB-013



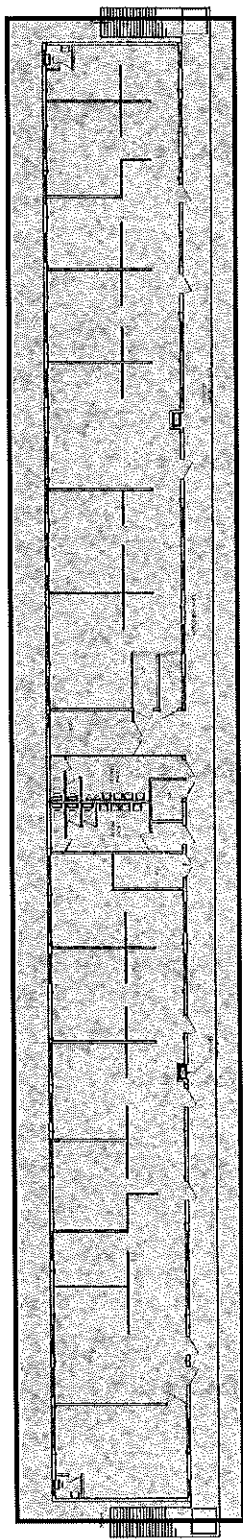
ASB-P2-1



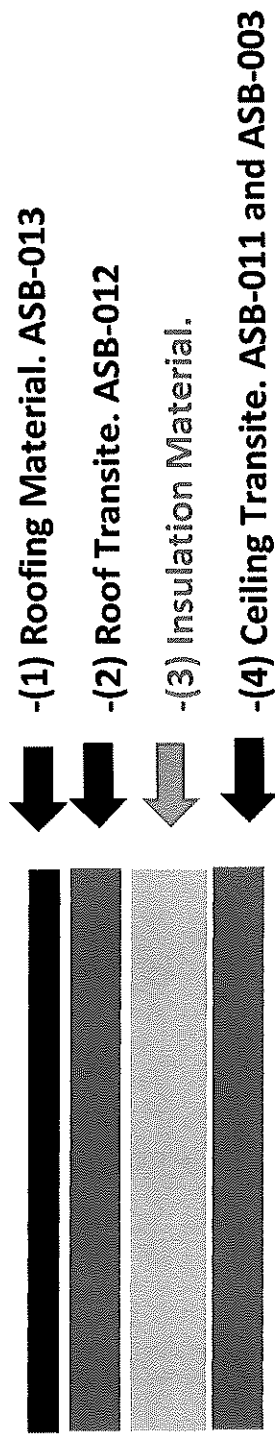
ASB-P2-2

APÉNDICE IV

Localización de ACBM



Pavilion #1 & #2



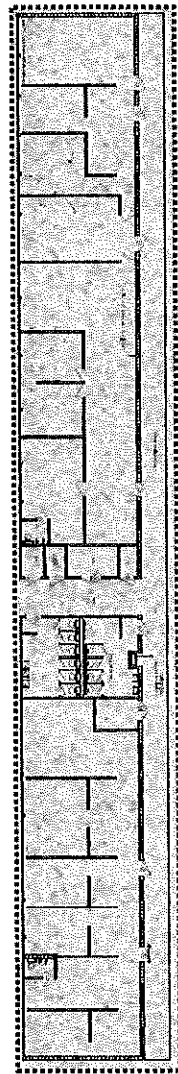
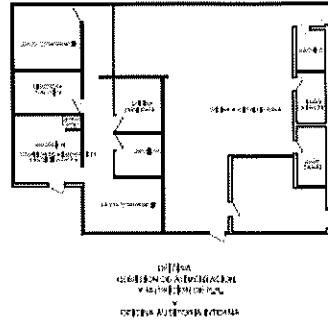
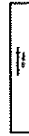
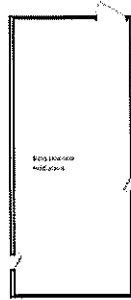
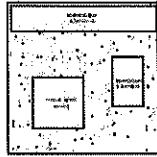
Notas aplicables para los pabellones 1, 2, 3, 4 y "Storage Finances Building":

1. Los techos están compuestos por las siguientes capas seccionales: (1) Material impermeabilizante o "Roofing Material" con contenido de Asbestos. Ver Muestras ASB-013, ASB-076; (2) Panel Transite con contenido de Asbesto. Ver muestras ASB-ASB-012, ASB-079; (3) Material de aislación (panel de espuma de uretano); Panel de "Ceiling Transite" con contenido de Asbesto. Ver muestras ASB-003, ASB-11. Se considera ACM toda estructura, refuerzo estructural o componente de techo.
2. Los Pabellones 1 y 2 constan de una construcción de dos niveles, la sección divisoria entre el Nivel 1 y Nivel 2, entiéndase el piso del Nivel 2 está construido con panel Transite con contenido de Asbesto. Ver muestra ASB-002, ASB-067. Se considera ACM toda estructura, refuerzo o componente de esta sección.

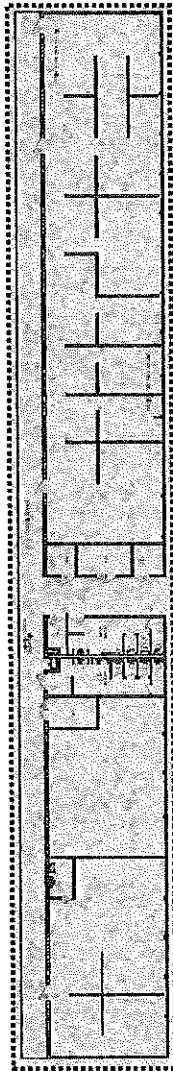
Legenda: Área de Pabellones.

Se presentan las siguientes áreas positiva a ACBM. Las cantidades y medidas deberán ser corroboradas.

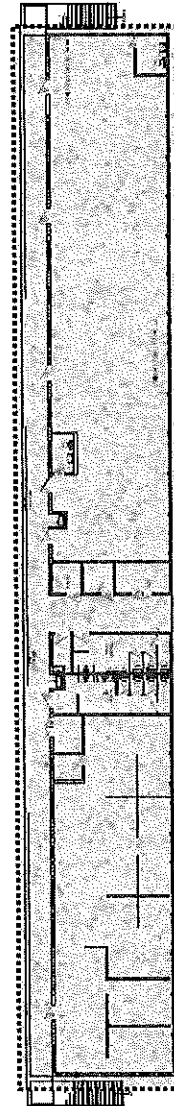
- ACBM Roofing Material en techos de Pabellones 1, 2, 3 y 4.



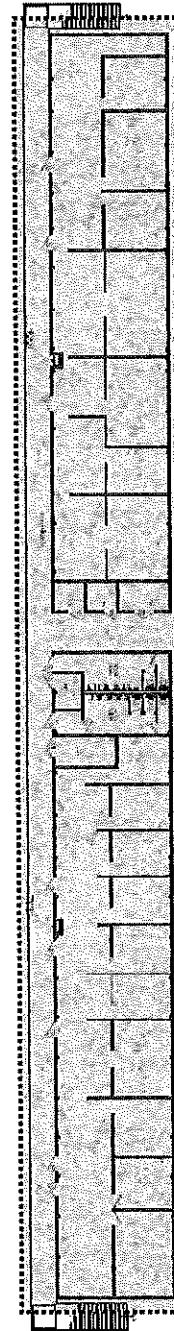
PAVILION 4



PAVILION 3



PAVILION 2



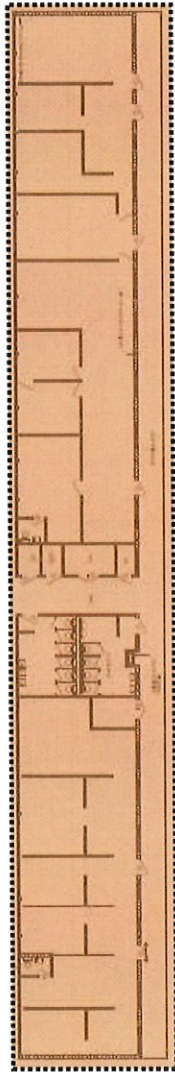
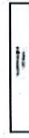
PAVILION 1

Nota: 1. Este dibujo es solo para fines de ilustrar las áreas identificadas con LBP. No es escala real.

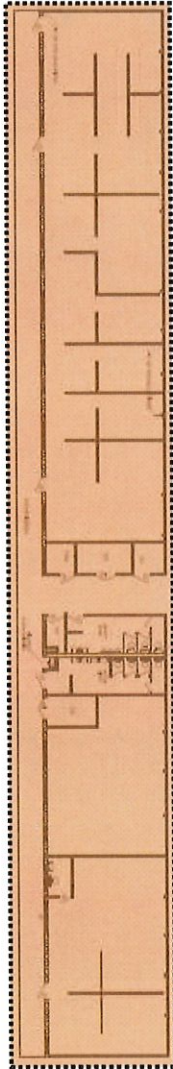
Legenda: Área de Pabellones.

Se presentan las siguientes áreas positiva a ACBM. Las cantidades y medidas deberán ser corroboradas.

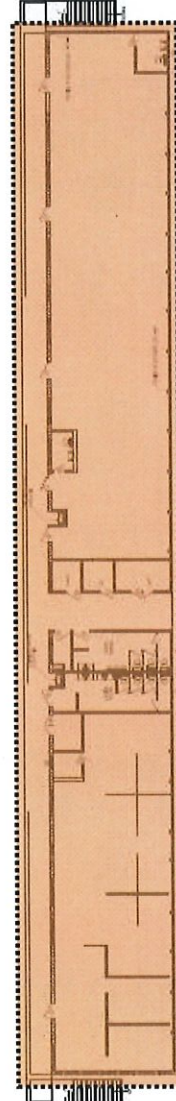
- Techos con Transite, ACBM en techos de Pabellones 1, 2, 3 y 4. Ver hoja de Notas aplicables para los pabellones 1, 2, 3, 4 y "Storage Finaces Building":



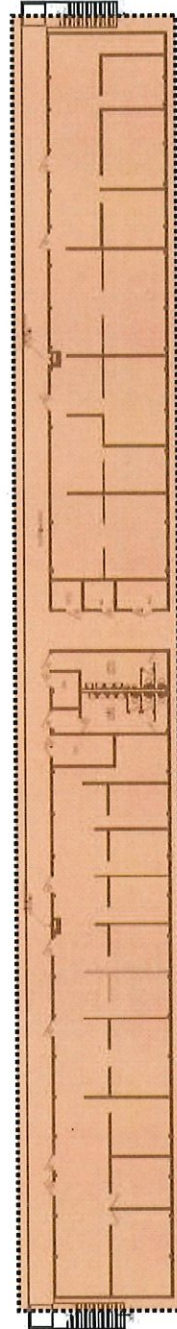
PAVILLION 4



PAVILLION 3



PAVILLION 2



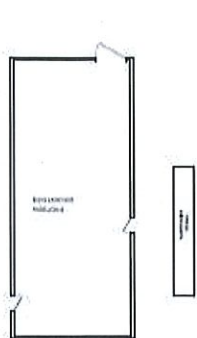
PAVILLION 1

Nota: 1. Este dibujo es solo para fines de ilustrar las áreas identificadas con ACBM. No es escala

Legenda: Área de Pabellones.

Se presentan las siguientes áreas positiva a ACBM. Las cantidades y medidas deberán ser corroboradas.

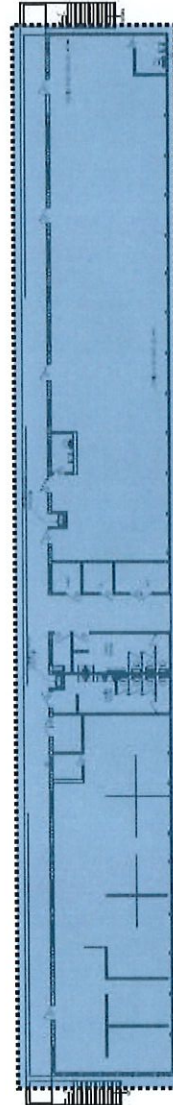
- Piso con Transite, ACBM en techos de Pabellones 1 y 2. Se localiza en el piso del segundo nivel. **Ver hoja de Notas aplicables para los pabellones 1, 2, 3, 4 y "Storage Finaces Building":**



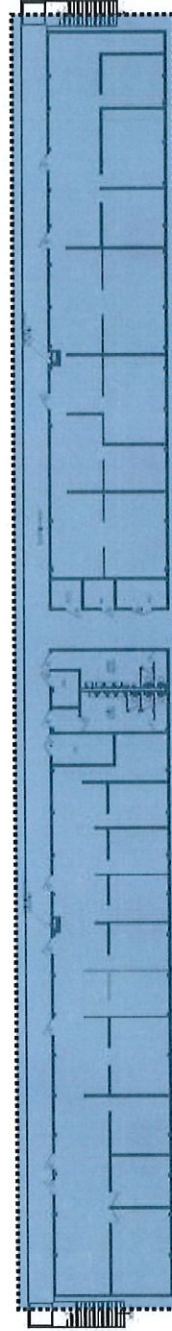
PAVILION 4



PAVILION 3



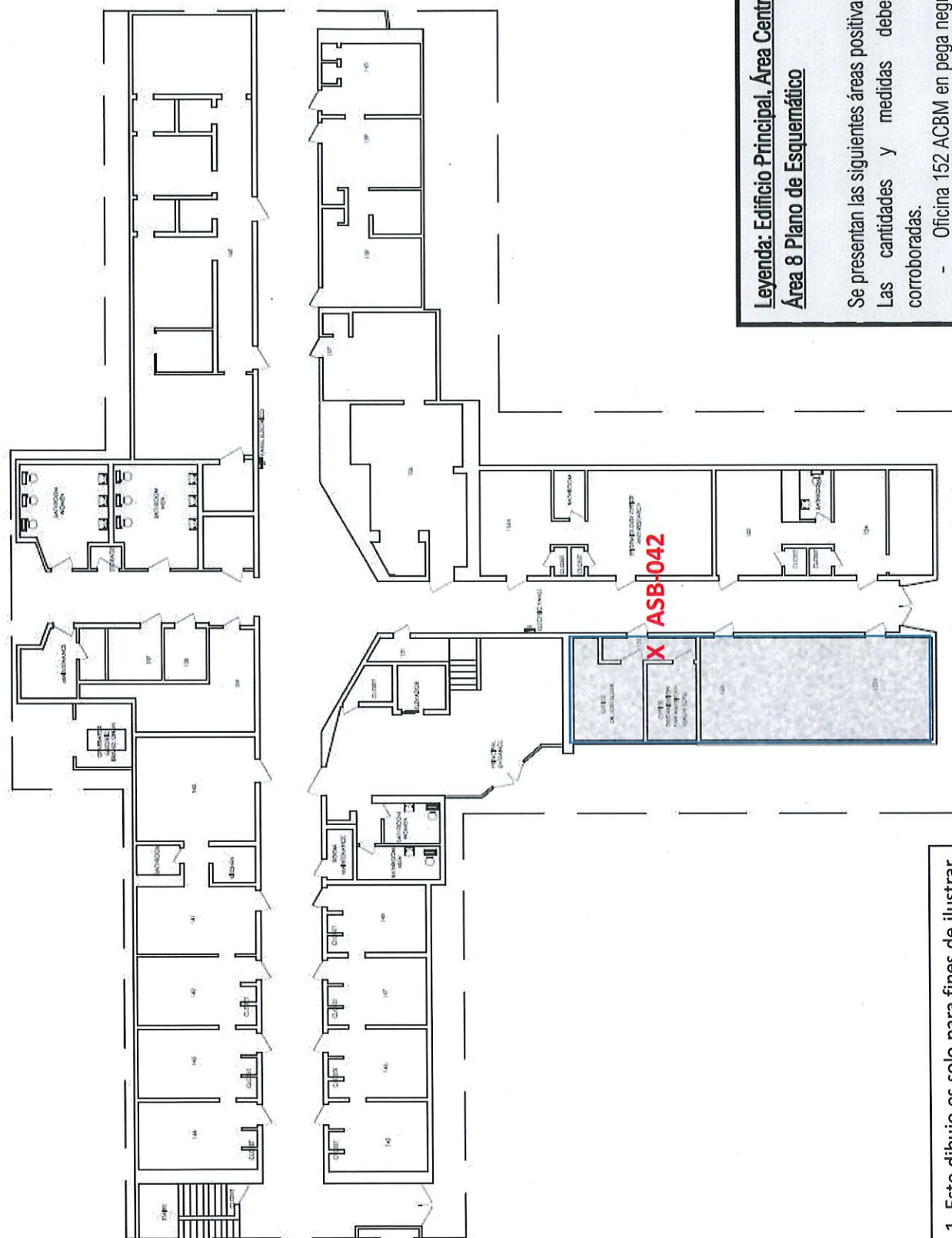
PAVILION 2

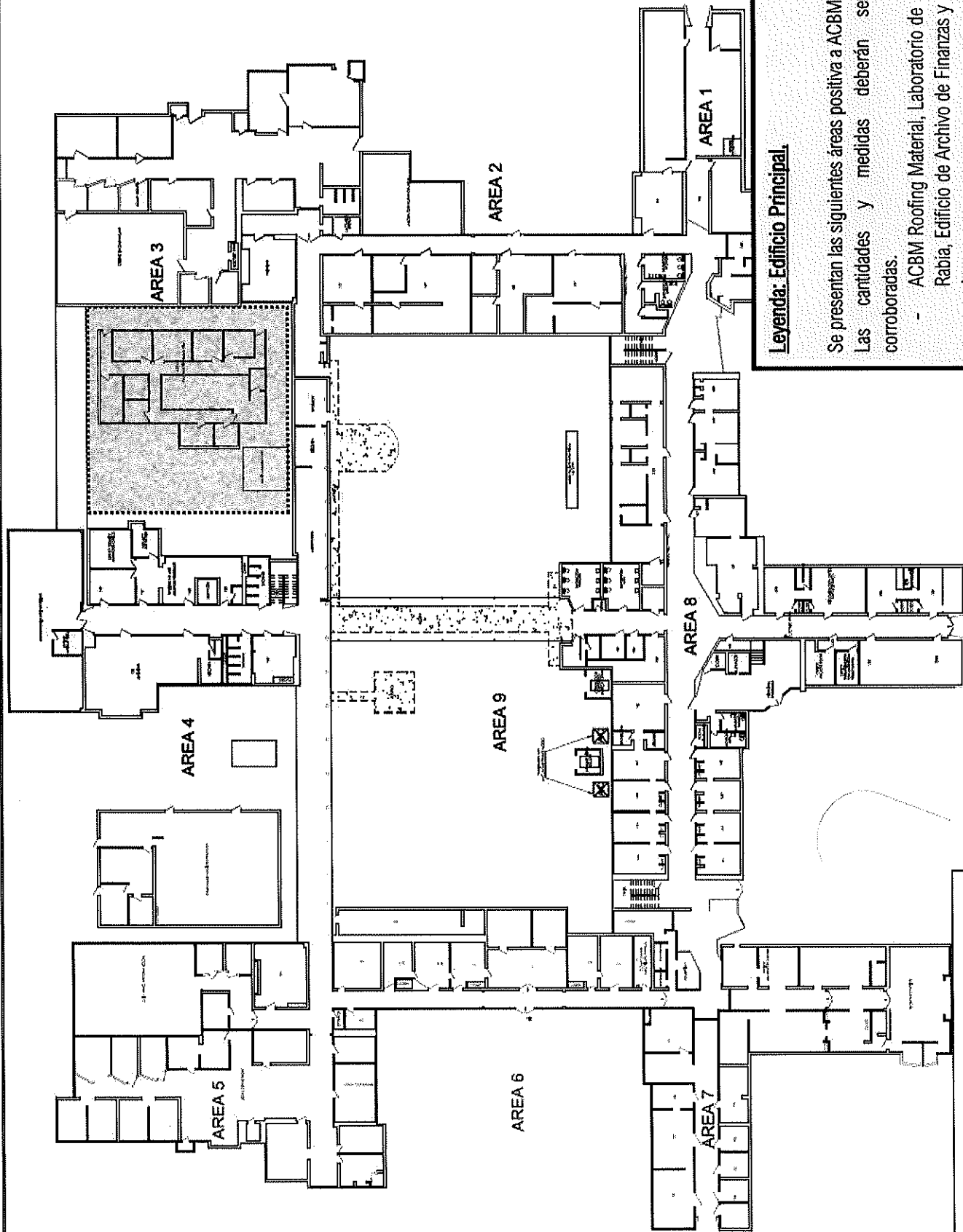


PAVILION 1



Nota: 1. Este dibujo es solo para fines de ilustrar las áreas identificadas con ACBM. No es escala



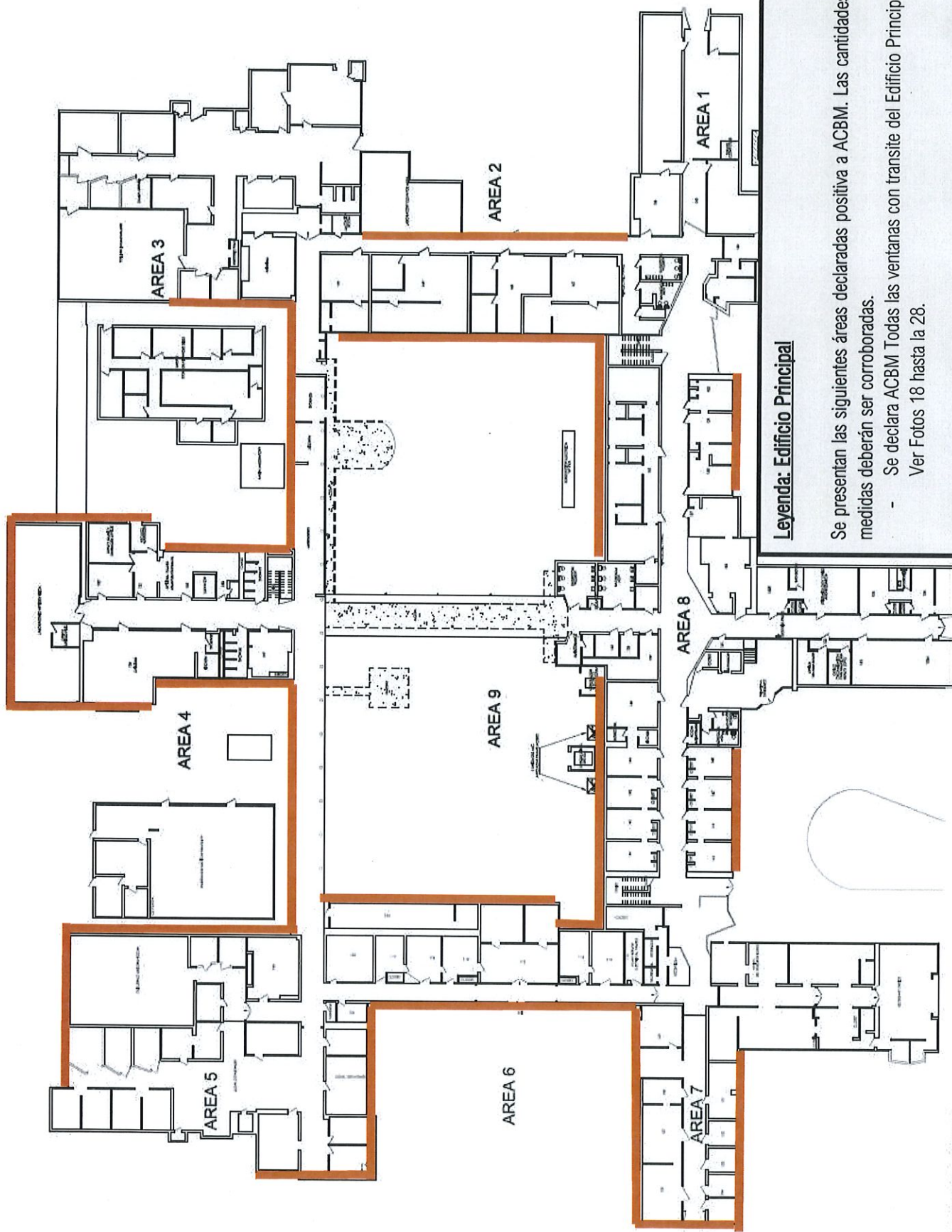


Leyenda: Edificio Principal.

Se presentan las siguientes áreas positiva a ACBM.
Las cantidades y medidas deberán ser corroboradas.

- ACBM Roofing Material, Laboratorio de Rabia, Edificio de Archivo de Finanzas y Anexo.

Nota: 1. Este dibujo es solo para fines de ilustrar las áreas identificadas con ACBM. No es escala



Leyenda: Edificio Principal

Se presentan las siguientes áreas declaradas positiva a ACBM. Las cantidades y medidas deberán ser corroboradas.

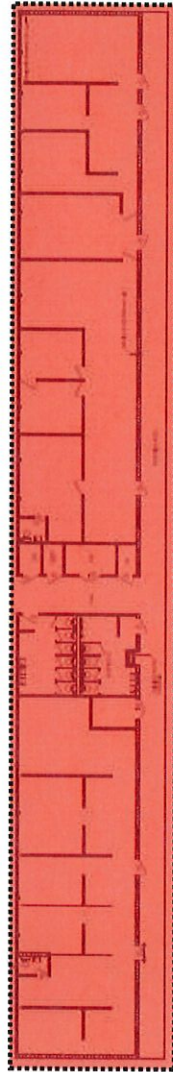
- Se declara ACBM Todas las ventanas con transite del Edificio Principal. Ver Fotos 18 hasta la 28.

Leyenda: Área de Pabellones.

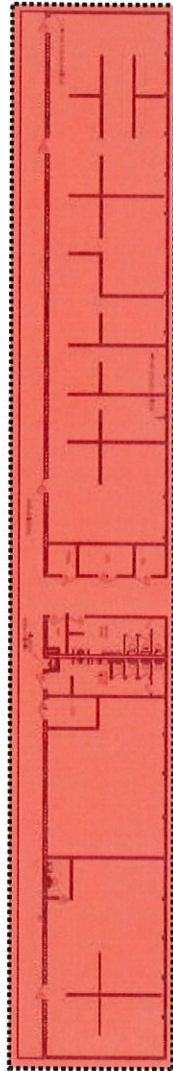
Se presentan las siguientes áreas declaradas positiva a ACBM. Las cantidades y medidas deberán ser corroboradas.

- Se declara ACBM las áreas con Black Mastic para piso de vinyl en Pabellones 1, 2, 3 y 4.

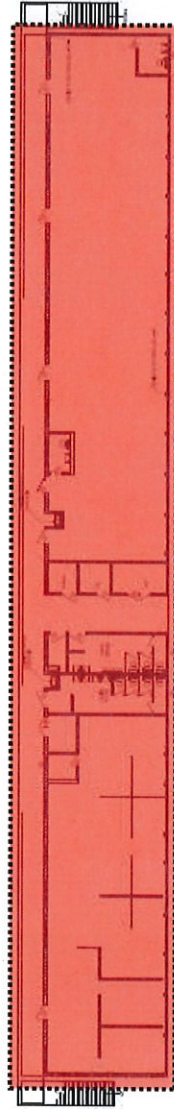
PAVILION 4



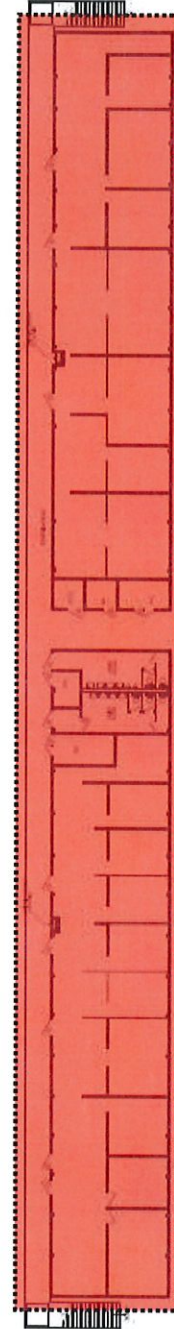
PAVILION 3



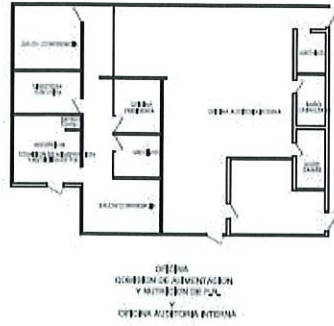
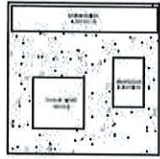
PAVILION 2

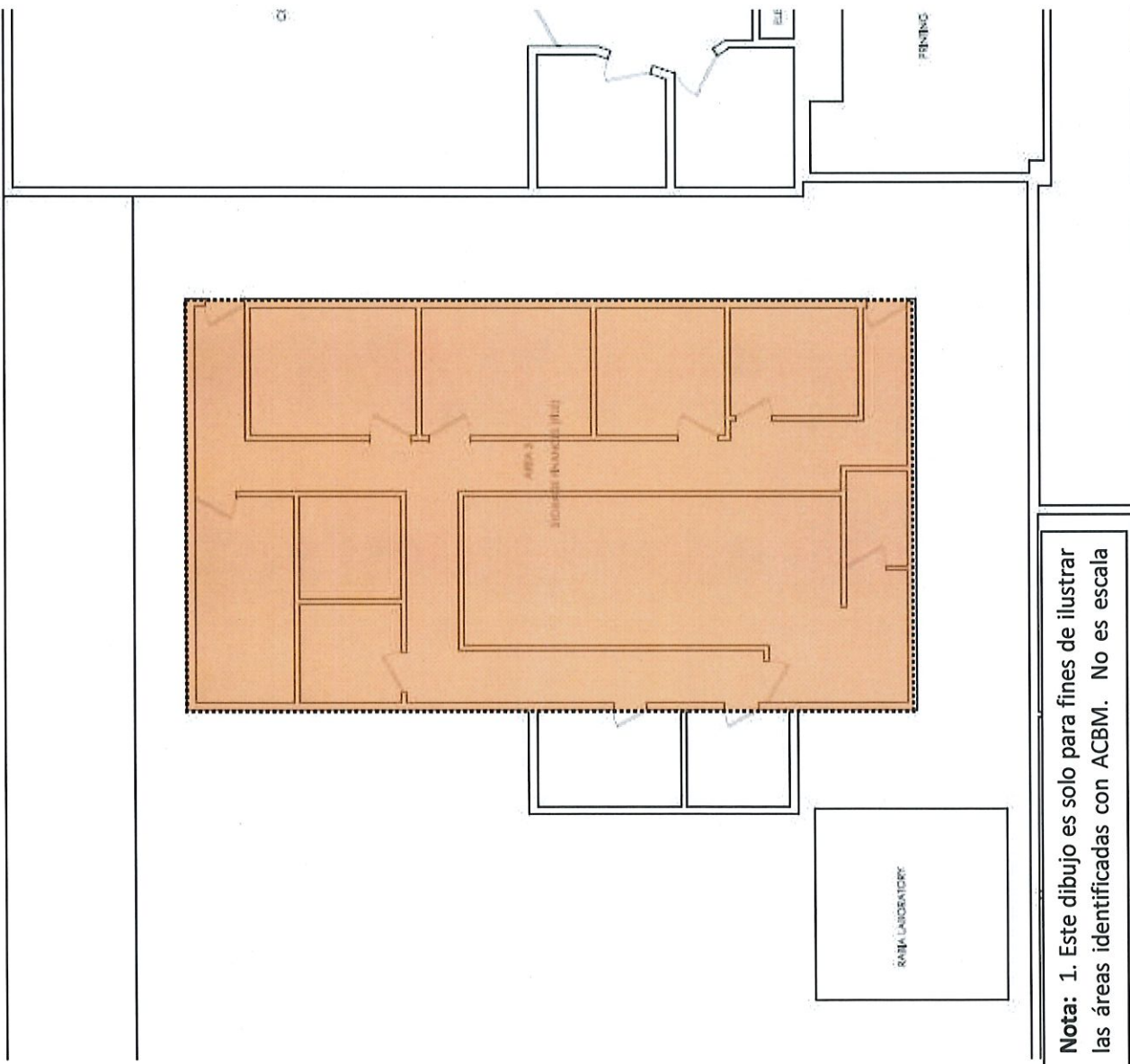


PAVILION 1



Nota: 1. Este dibujo es solo para fines de ilustrar las áreas identificadas con ACBM. No es escala



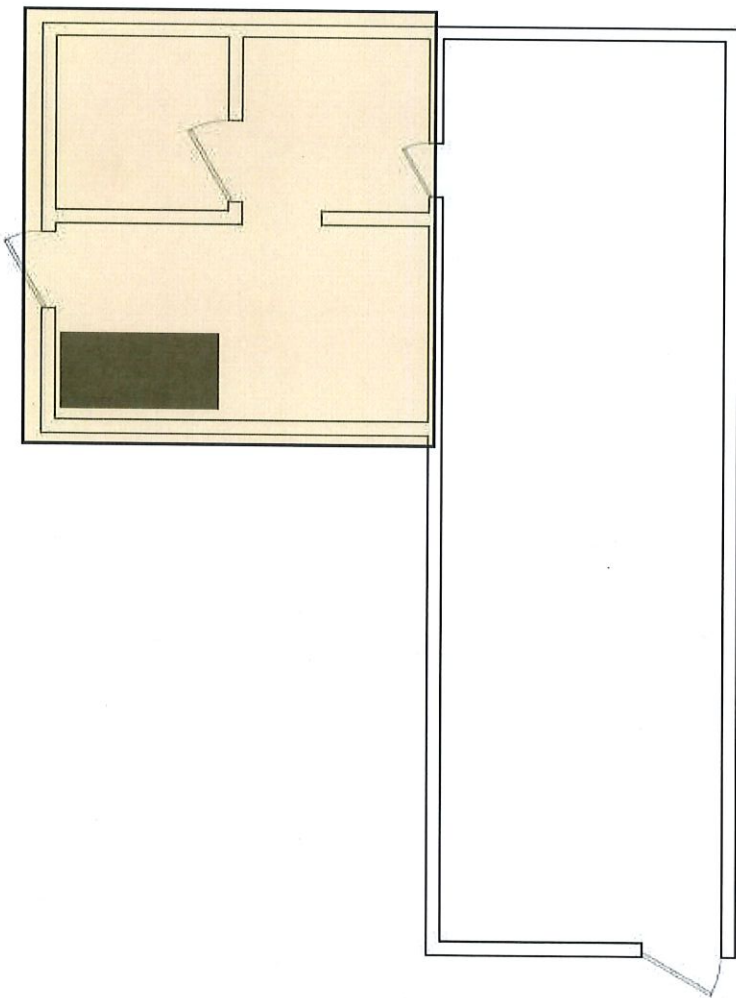


Leyenda: Edificio de Archivo de Finanzas.
Área 3 de Plano Esquemático.

Se presentan las siguientes áreas positiva a ACBM. Las cantidades y medidas deberán ser corroboradas.

- Techos con Transite, ACBM en techos de Edificio de Archivo de Finanzas. **Ver hoja de Notas aplicables para los pabellones 1, 2, 3, 4 y "Storage Finances Building"**

Nota: 1. Este dibujo es solo para fines de ilustrar las áreas identificadas con ACBM. No es escala



AS-BUILD RABIA LABORATORY

SCALE: 3/16" = 1'-0"

Leyenda: Laboratorio de Rabia

Se presentan las siguientes áreas declaradas positiva a ACBM. Las cantidades y medidas deberán ser corroboradas.

■ -Se declara ACBM escritorio ubicado en pared D, en entrada principal.

■ -ACM Roofing Material

Nota: 1. Este dibujo es solo para fines de ilustrar las áreas identificadas con ACBM. No es escala