



Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

May 18, 2016

14-43186-02

Mr. Monty Bowen
University Medical Center of Southern Nevada
1800 West Charleston Boulevard
Las Vegas, Nevada 89102

Subject: Asbestos Consulting Services
Bulk Sample Collection
2040 Building, 3rd Floor
240 West Charleston Boulevard
Las Vegas, Nevada

Dear Mr. Bowen:

In accordance with your request, Converse Consultants (Converse) prepared this summary letter detailing the collection of samples of suspect materials present within the third floor of the 2040 Building at the University Medical Center (UMC) of Southern Nevada located at 1800 West Charleston Boulevard in Las Vegas, Nevada. The samples were collected in 2015 to assist with the planned interior demolition of interior components including perimeter and partition walls, flooring, ceilings, and heating, ventilation, and air conditioning duct work. The sampling was conducted to assist UMC with preparing a scope of work and cost estimation. In addition to the third floor, samples of suspect materials were collected from the second, fourth, fifth, and sixth floors, the upper floor mechanical spaces, and roof.

Current State and Federal standards define an asbestos-containing material (ACM) as...*“any material containing asbestos in excess of one percent by weight.”*

SAMPLE COLLECTION

On May 18 and 19, 2015 and June 29, 2015, Mr. Duane Matters, a Nevada-certified asbestos consultant, collected 54 samples of the suspect plaster, drywall, texture, joint compound, remnant floor tile mastic, ceiling tiles, and cove base adhesive. The survey followed U.S. Environmental Protection Agency (EPA) guidelines within the limitations of the scope of this survey. A preliminary visual assessment of suspect ACM was performed. Samples were collected using EPA-recommended sampling procedures.

LABORATORY ANALYSIS & SURVEY RESULTS

The 54 bulk samples of suspect homogeneous ACMs collected from the 3rd floor of the 2040 Building were submitted to the Converse Asbestos Analytical Laboratory located in Reno, Nevada for analysis by Polarized Light Microscopy (PLM – US EPA Method 600/R-93/116). The Converse asbestos lab is accredited by the U.S. Department of Commerce, NIST, under NVLAP for bulk asbestos analysis. Per regulations, each layer of a sample must be analyzed as a separate material. Due to layering exhibited in a majority of the samples, 99 separate analyses were conducted on the samples. Copies of the laboratory analytical chain-of-custody record are attached to the analytical report presented in Attachment A. A summary of the materials sampled and the analytical results is presented in Appendix A. Certifications of the analytical laboratory are presented in Attachment B.

FINDINGS

Current standards define an asbestos-containing material as “any material containing asbestos in excess of one percent by weight.” It is noted that Federal OSHA regulates worker exposure to airborne asbestos fibers with PELs and requires specific work practices and procedures, per 29 CFR 1926.1101, when disturbing materials containing asbestos. State of Nevada protects building occupants from airborne asbestos exposure; CCDAQ does not allow any airborne asbestos fiber generation.

It is the opinion of Converse, based on our understanding of the National Emission Standards for Hazardous Air Pollutants (NESHAP), that the following ACMs will require removal by a certified Nevada licensed abatement contractor in order to comply with Federal, State, and County regulations prior to the demolition process. It may also be necessary to perform third party air quality sampling after the removal activities to comply with Nevada OSHES and CCDAQ regulations.

ACMs to be Abated

Asbestos-containing Material	Location	Quantity	% Asbestos Detected
Floor Tile & Mastic	Appears typical to: Perimeter office areas (based on the data, remnant mastic may be present in any portion of the office areas)	8,000 SF	>1% to 10% Chrysotile

Based on data collected from other floors and the likely number of renovations, there is a likelihood that remnant asbestos-containing mastic is present in the office areas and hallways where it appears that flooring was previously removed and replaced. Asbestos-containing flooring or mastic may be present beneath the bottom or sole plate for select walls that are not original construction.

LIMITATIONS

This report is for the use of UMC as it applies to the materials sampled from within the third floor of the 2040 Building at the University Medical Center (UMC) of Southern Nevada located at 1800 West Charleston Boulevard in Las Vegas, Nevada. This project was conducted using the current standard of care exercised by professionals practicing asbestos surveys. Converse is not responsible for any claims or damages associated with interpretation of available information. This assessment should not be regarded as a guarantee that no further asbestos, beyond that which was suspected to be present (and sampled) during our investigation, is present at the property. In addition, asbestos is usually not distributed uniformly throughout a material and Converse cannot guarantee that the areas sampled are exactly as represented throughout the facility.

We thank you for this opportunity to be of continuing service. If you have any questions regarding this letter, please call the undersigned.

Respectfully Submitted,

CONVERSE CONSULTANTS



Duane H. Matters, CEM
Asbestos and Lead Program Manager
Nevada Asbestos Abatement Consultant License No. IJPM-1066

DHM:ls

Encl: Laboratory Report
Table 1 - Asbestos Sampling Results - 2040 Building, Third Floor
2040 Building Third Floor Plan
Converse NVLAP Certification

Distribution: (2) Addressee (1 hardcopy, 1 via e-mail)



Attachment A

Laboratory Report & Data Table

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
223740B Black Mastic	B-1268 B	3-5 Chrysotile	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 10 Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
223741 Brown Mastic	B-1269	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
223742 Cream Spray On	B-1270	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 60 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum 10 Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
223743 Tan Fireproofing	B-1271	None Detected	20 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 30 Gypsum 30 Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
223744 Tan Fireproofing	B-1272	None Detected	20 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 20 Gypsum 40 Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
223745 Tan Fireproofing	B-1273	None Detected	20 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 20 Gypsum 40 Mica 20 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
223746 Dk Cream Ceiling Tile	B-1274	None Detected	20 Cellulose Glass Fibers Animal Fibers 75 Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	2 Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 3 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
223747 Dk Cream Ceiling Tile	B-1275	None Detected	20 Cellulose Glass Fibers Animal Fibers 75 Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	2 Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 3 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
223748 Dk Cream Ceiling Tile	B-1276	None Detected	15 Cellulose Glass Fibers Animal Fibers 80 Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	2 Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 3 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
223749A Grey Floor Tile	B-1277 A	None Detected	<1 Cellulose <1 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 60 Carbonate Binders 30 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
223749B Tan Mastic	B-1277 B	None Detected	<1 Cellulose <1 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 5 Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
223750A Grey Floor Tile	B-1278 A	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 60 Carbonate Binders 30 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
223750B Tan Mastic	B-1278 B	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 5 Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
223751A Grey Floor Tile	B-1279 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 60 Carbonate Binders 30 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
223751B Tan Mastic	B-1279 B	None Detected	2% Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 3 Carbonate Binders 70 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
223752A Black Covebase	B-1280 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 30 Carbonate Binders 60 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
223752B Cream Mastic	B-1280 B	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 50 Carbonate Binders 45 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 5 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
223752C Tan Wallpaper	B-1280 C	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork 35 Cotton	Binders Carbonate Binders 40 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
223753A Black Covebase	B-1281 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Paper Talc Wollastonite Wood Fibers Cork	Binders 30 Carbonate Binders 60 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
223753B Tan/Cream Mastic	B-1281 B	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 30 Carbonate Binders 65 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 5 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
223753C Tan Wallpaper	B-1281 C	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork 35 Cotton	Binders Carbonate Binders 40 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
223754A Black Basecove	B-1282 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 30 Carbonate Binders 50 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
223754B Cream Tan Mastic	B-1282 B	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 25 Carbonate Binders 55 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
223754C Tan Wallpaper	B-1282 C	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork 35 Cotton	Binders Carbonate Binders 40 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
223755 Cream Joint Compound	B-1283	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 90 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
223756 Cream Joint Compound	B-1284	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 90 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
223757 Cream Joint Compound	B-1285	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 90 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
223758 Brown Mastic	B-1286	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc 5 Wollastonite Wood Fibers Cork	Binders Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
223759 Beige Grout	B-1287	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders 30 Sulfate Binders 30 Aggregate Diatoms Gypsum Mica 40 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
223760A Cream Texturing	B-1288 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 70 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
223760B White Drywall	B-1288 B	None Detected	10 Cellulose 5 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 55 Gypsum <1 Mica 30 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
223761A Cream Texturing	B-1289 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	75 Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
223761B White Drywall	B-1289 B	None Detected	10 Cellulose 1% Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 58 Gypsum 1% Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
223762 A Cream Texturing	B-1290 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	80 Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
223762 B White Drywall	B-1290 B	None Detected	10 Cellulose 1% Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 59 Gypsum <1 Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
223763A Yellow Cream Tile Adhesive	B-1291 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 30 Carbonate Binders 40 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 30 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
223763B Cream Joint Compound	B-1291 B	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 75 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers

Attached are the results of analysis of bulk samples submitted for asbestos identification. Converse Consultants follows EPA Method EPA/600/R-93/116, July 1993 and EPA/600/M4-82-020, December 1982.

Each sample was initially examined under a stereoscopic microscopic at a magnification of 10x to 60x. Fibrous material was examined for morphology and content. Portions of each sample were immersed in a fluid with a known refractive index. The sample was examined under polarized light using a Olympus BHT PLM microscope with a McCrone Dispersion Staining objective under 100X magnification. Optical characteristics of the fibrous material were examined to determine the mineralogy of the fiber. The observed optical characteristics include angles of extinction, signs of elongation and dispersion staining colors. Asbestos fiber content is estimated by optically comparing the quantity of asbestos material and non-asbestos material to establish estimated percentages. Per the method, samples with distinct layers or inhomogenous character have each layer analyzed separately and reported as individual layers. (I – Inhomogeneous, H – Homogeneous, F – Fibrous, NF – Non-Fibrous)

Bulk sampling may not have been performed by Converse Consultants personnel. No warranty is made as to the acceptability of sampling strategies.

Converse Consultants is National Voluntary Laboratory Accreditation Program accredited. Our NVLAP Lab Code: 102091-0. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report must not be reproduced except in full without the approval of the laboratory. This report relates only to the items tested.

Converse Inspectors: <u>D Mitter</u>		Project Name: <u>UMC Annual</u>		Project Number: <u>14-43186-01</u>		Date Sampled: <u>5/14/04</u>	
Converse Contact:		Project Location: <u>2040 W Charleston Blvd</u>		Asbestos Analysis Type: Bulk (PLM)		Instructions:	
E-Mail:		<u>LY NEU</u>					
Turn-Around Time: (Circle)		RUSH		24 Hours		2 Days	
				3 Days		Requested: E-MAIL Verbal	
LAB #	SAMPLE #	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX QNTY	COND	FRIABLE YES/NO	ASBESTOS %
<u>223743</u>	<u>B-1271</u>	<u>Fire Proofing</u>	<u>Electrical Room C30 North</u>		<u>G</u>	<u>Y</u>	
<u>223744</u>	<u>B-1272</u>	<u>↓ ↓</u>	<u>Data Room C35</u>		<u>G</u>	<u>Y</u>	
<u>223745</u>	<u>B-1273</u>	<u>↓ ↓</u>	<u>Corr 301 NWC E Column</u>		<u>G</u>	<u>Y</u>	
<u>223746</u>	<u>B-1274</u>	<u>2x2 DUCT Rough Textw</u>	<u>↓ ↓</u>		<u>G</u>	<u>Y</u>	
<u>223747</u>	<u>B-1275</u>	<u>↓ ↓</u>	<u>Corr 302 E Elve.</u>		<u>G</u>	<u>Y</u>	
<u>223748</u>	<u>B-1276</u>	<u>↓ ↓</u>	<u>Corr 302 E Electrical Rm C30</u>		<u>G</u>	<u>Y</u>	
<u>223749</u>	<u>B-1277</u>	<u>1x1 FT (Grey) Yellowmate</u>	<u>Elect Room C30 Threshold</u>		<u>G</u>	<u>N</u>	
<u>223750</u>	<u>B-1278</u>	<u>↓ ↓</u>	<u>South Stairwell Threshold</u>		<u>G</u>	<u>N</u>	
<u>223751</u>	<u>B-1279</u>	<u>↓ ↓</u>	<u>Data Room C35 Threshold</u>		<u>G</u>	<u>N</u>	
<u>223752</u>	<u>B-1280</u>	<u>wide core base adhesive wallpaper</u>	<u>Corr 305 E Jan C32/Emer. Serv.</u>		<u>G</u>	<u>N</u>	

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitting Insulation	FT - Floortile	GA - Gasket	G - Good (No maintenance is required currently) <10%	LF - Linear Feet	A - Amosite Asbestos
PPI - Pipe Part Insulation	M - Mastic	D - Debris	D - Damaged (Some repair needed)	SF - Square Feet	C - Crostole Asbestos
DI - Duct Insulation	CB - Core Basic/Mastic	RM - Roofing Material	SD - Significantly Damaged (Repair or replace ASAP)	CF - Cubic Feet	ND - No Asbestos Detected
TI - Tank Insulation	CT - Ceiling Tile	DW - Drywall			
TSI Thermal System Insulation	AS - Acoustic Spray	JC - Joint Compound			
EJ - Expansion Joint	WP - Wall Plaster	Wt - Wall Texture			
BI - Boiler Isulation					

Relinquished By: <u>[Signature]</u>	Relinquished By: _____	Relinquished By: _____	Relinquished By: _____
Date/ Time: <u>5/14/04</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____
Received By: <u>MHC</u>	Received By: _____	Received By: _____	Received By: _____
Date/ Time: <u>20 MAY-15</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____

Converse Inspectors: <u>JM Lutter</u>		Project Name: <u>UMC - Annual</u>		Project Number: <u>14-43184</u>		Date Sampled: <u>5/15/15</u>	
Converse Contact:		Project Location: <u>2040 W Charleston</u>		Asbestos Analysis Type: Bulk (PLM)		Instructions:	
E-Mail:		<u>LX N4</u>					
Turn-Around Time: (Circle)		RUSH		24 Hours		2 Days	
				3 Days		Requested: E-MAIL Verbal	
LAB #	SAMPLE #	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX QNTY	COND	FRIABLE YES/NO	ASBESTOS %
<u>223753</u>	<u>B-1281</u>	<u>wide core base</u>	<u>North Corridor, Ctr North wall</u>		<u>G</u>	<u>N</u>	
<u>223754</u>	<u>B-1282</u>	<u>↓ ↓</u>	<u>Corr 301 @ South stair Entry</u>		<u>G</u>	<u>N</u>	
<u>223755</u>	<u>B-1283</u>	<u>Joint Comp</u>	<u>Corr 302 @ Hall Junction Corner</u>		<u>G</u>	<u>N</u>	
<u>223756</u>	<u>B-1284</u>	<u>↓</u>	<u>Men's Restroom; Handicap stall wall</u>		<u>G</u>	<u>N</u>	
<u>223757</u>	<u>B-1285</u>	<u>↓</u>	<u>Corr 301 @ Duct Shaft</u>		<u>G</u>	<u>N</u>	
<u>223758</u>	<u>B-1286</u>	<u>Mastic</u>	<u>Corner Protect @ B-1283</u>		<u>G</u>	<u>N</u>	
<u>223759</u>	<u>B-1287</u>	<u>Material on Conduit</u>	<u>Electrical Rm C30; South wall</u>		<u>G</u>	<u>N</u>	
<u>223760</u>	<u>B-1288</u>	<u>Text Drywall Core</u>	<u>↓ ↓</u>		<u>G</u>	<u>Y</u>	
<u>223761</u>	<u>B-1285</u>	<u>↓</u>	<u>Electrical Rm C35; west wall</u>		<u>G</u>	<u>Y</u>	
<u>223762</u>	<u>B-1290</u>	<u>↓</u>	<u>Men's Restroom; Handicap Stall</u>		<u>G</u>	<u>Y</u>	

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitting Insulation	FT - Floortile	GA - Gasket	G - Good (No maintenance is required currently) <10%	LF - Linear Feet	A - Amosite Asbestos
PPI - Pipe Part Insulation	M - Mastic	D - Debris	D - Damaged (Some repair needed)	SF - Square Feet	C - Crostole Asbestos
DI - Duct Insulation	CB - Core Basic/Mastic	RM - Roofing Material	SD - Significantly Damaged (Repair or replace ASAP)	CF - Cubic Feet	ND - No Asbestos Detected
TI - Tank Insulation	CT - Ceiling Tile	DW - Drywall			
TSI - Thermal System Insulation	AS - Acoustic Spray	JC - Joint Compound			
EJ - Expansion Joint	WP - Wall Plaster	Wt - Wall Texture			
BI - Boiler Isulation					

Relinquished By: <u>[Signature]</u>	Relinquished By: _____	Relinquished By: _____	Relinquished By: _____
Date/ Time: <u>5/15/2015</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____
Received By: <u>MHC</u>	Received By: _____	Received By: _____	Received By: _____
Date/ Time: <u>20 MAY 15</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____

Converse Inspectors: <u>JMeters</u>		Project Name: <u>UMC - Annual</u>		Project Number: <u>14-43186-01</u>		Date Sampled: <u>5/19/15</u>	
Converse Contact:		Project Location: <u>2040 W Charleston Blvd</u>		Asbestos Analysis Type: Bulk (PLM)		Instructions:	
E-Mail:		<u>LE MAY</u>					
Turn-Around Time: (Circle) RUSH 24 Hours 2 Days 3 Days				Requested: E-MAIL Verbal			
LAB #	SAMPLE #	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX QNTY	COND	FRIABLE YES/NO	ASBESTOS %
<u>223763</u>	<u>B-1291</u>	<u>Tile Adhesive/Joint Comp</u>	<u>Mens Restroom e1284</u>		<u>G</u>	<u>N</u>	

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitting Insulation	FT - Floortile	GA - Gasket	G - Good (No maintenance is required currently) <10%	LF - Linear Feet	A - Amosite Asbestos
PPI - Pipe Part Insulation	M - Mastic	D - Debris	D - Damaged (Some repair needed)	SF - Square Feet	C - Crostole Asbestos
DI - Duct Insulation	CB - Core Basic/Mastic	RM - Roofing Material	SD - Significantly Damaged (Repair or replace ASAP)	CF - Cubic Feet	ND - No Asbestos Detected
TI - Tank Insulation	CT - Ceiling Tile	DW - Drywall			
TSI - Thermal System Insulation	AS - Acoustic Spray	JC - Joint Compound			
EJ - Expansion Joint	WP - Wall Plaster	Wt - Wall Texture			
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Relinquished By: <u>[Signature]</u>	Relinquished By: _____	Relinquished By: _____	Relinquished By: _____
Date/ Time: <u>5/19/15</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____
Received By: <u>[Signature]</u>	Received By: _____	Received By: _____	Received By: _____
Date/ Time: <u>20 MAY - 15</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____



Converse Consultants

Geotechnical Engineering, Environmental & Groundwater Science, Inspection & Testing Services

POLARIZED LIGHT MICROSCOPY ANALYSIS REPORT

Client:	CONVERSE CONSULTANTS 3095 EAST PATRICK LANE, # 12 LAS VEGAS, NEVADA 89120	Date Received:	7/7/2015
Contact:	DUANE MATTERS	Date Analyzed:	7/8/2015
Account:	NA	Date Reported:	7/8/2015
Project Number:	14-43186-01	Reported To:	DUANE MATTERS
		Submitted By:	Hand
		Report No.:	71-225604

UMC Annual
2040 Bldg.- 300 & 302

I certify that these results are accurate for the samples obtained and comply with accepted methods of analysis.

Lab Manager, Dan R. Dolk

Analyst, Dan R. Dolk

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225604A Tan Carpet Mastic	B-1381 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 70 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 30 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
225604B Grey Cemetitious	B-1381 B	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders 60 Sulfate Binders Aggregate Diatoms Gypsum Mica 40 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
225604C Black Mastic	B-1381 C	3-5 Chrysotile	1% Cellulose 1% Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 78 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225604D White Leveling Compound	B-1381 D	None Detected	15 Cellulose <1 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 60 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225605 Black Mastic	B-1382	3-5 Chrysotile	1% Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 70 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 24 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225606A Tan Mastic	B-1383 A	<1 Chrysotile	<1 Cellulose <1 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 70 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225606B Black Mastic	B-1383 B	5-10 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 80 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225607A Tan Carpet Mastic	B-1384 A	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 10 Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-HOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225607B Tan Floor Tile	B-1384 B	>1-3 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 60 Carbonate Binders 20 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 17 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225607C Black Mastic	B-1384 C	>1-3 Chrysotile	5 Cellulose 2 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 65 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225608 Black Mastic	B-1385	3-5 Chrysotile	1% Cellulose 1% Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 63 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225609A Tan Carpet Mastic	B-1386 A	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225609B Cream Floor Tile	B-1386 B	None Detected	5 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 50 Carbonate Binders 20 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-HHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225609C Black Mastic	B-1386 C	5-10 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 65 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225610A Tan Carpet Mastic	B-1387 A	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 5 Carbonate Binders 70 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225610B Dk Cream Floor Tile	B-1387 B	3-5 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 60 Carbonate Binders 20 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225610C Black Mastic	B-1387 C	5-10 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225611A Tan Carpet Mastic	B-1388 A	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225611B Cream Floor Tile	B-1388 B	3-5 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 60 Carbonate Binders 20 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225611C Black Mastic	B-1388 C	5-10 Chrysotile	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 70 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225612 Cream Joint Compound	B-1389	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	40 Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 60 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
225613 Cream Joint Compound	B-1390	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 80 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225614 Cream Joint Compound	B-1391	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 85 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-HOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225615 Cream Joint Compound	B-1392	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 85 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
225616A Cream Texturing	B-1393 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	30 Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 70 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
225616B Cream Joint Compound	B-1393 B	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 80 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
225617A Cream Texturing / Joint Compound	B-1394 A	None Detected	<1 Cellulose 15 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 70 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint / Ink <1 Perlite Vermiculite	I F # Of Layers
225617B White Drywall	B-1394 B	None Detected	10 Cellulose 1% Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum 3 Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	H-HOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225618 White Drywall	B-1395	None Detected	10 Cellulose <1 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 55 Gypsum <1 Mica 30 Mineral Cleavages 5 Paint Perlite Vermiculite	I F # Of Layers
225619A Cream Texturing	B-1396 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 80 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint 5 Perlite Vermiculite	I NF # Of Layers
225619B Cream Joint Compound	B-1396 B	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	30 Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 70 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
225619C Cream Joint Compound	B-1396 C	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	35 Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 65 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
225619D White Drywall	B-1396 D	None Detected	10 Cellulose <1 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 57 Gypsum 3 Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-HOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225620A Cream Texturing	B-1397 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 50 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 40 Mineral Cleavages Paint 10 Perlite Vermiculite	I NF # Of Layers
225620B Cream Joint Compound	B-1397 B	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 65 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 15 Gypsum Mica 15 Mineral Cleavages Paint 5 Perlite Vermiculite	I NF # Of Layers
225620C Cream Joint Compound	B-1397 C	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 65 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 15 Gypsum Mica 15 Mineral Cleavages Paint / Ink 5 Perlite Vermiculite	I NF # Of Layers
225620D Beige Drywall	B-1397 D	None Detected	10 Cellulose 1% Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 57 Gypsum 2 Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225621A Cream Texturing	B-1398 A	None Detected	5 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 50 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 45 Mineral Cleavages Paint / Ink <1 Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225621B White Drywall	B-1398 B	None Detected	10 Cellulose 1% Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 58 Gypsum 1% Mica 30 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225622A Cream Texturing	B-1399 A	None Detected	5 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 50 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 45 Mineral Cleavages Paint <1 Perlite Vermiculite	I F # Of Layers
225622B White Drywall	B-1399 B	None Detected	10 Cellulose 1% Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 59 Gypsum <1 Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225623A Cream Texturing	B-1400 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 75 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint / Ink <1 Perlite Vermiculite	I NF # Of Layers
225623B White Drywall	B-1400 B	None Detected	10 Cellulose 1% Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 59 Gypsum <1 Mica 30 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225624A Tan Mastic	B-1401 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 15 Carbonate Binders 65 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
225624B Black Mastic	B-1401 B	3-5 Chrysotile	3 Cellulose 2 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 75 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225625A Tan Mastic	B-1402 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 20 Carbonate Binders 60 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I NF # Of Layers
225625B Black Mastic	B-1402 B	5-10 Chrysotile	3 Cellulose 2 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 60 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 25 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225626A Yellow Carpet Mastic	B-1403 A	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 20 Carbonate Binders 60 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225626B Dk Cream Floor Tile	B-1403 B	>1-3 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 65 Carbonate Binders 20 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 12 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225626C Black Mastic	B-1403 C	5-10 Chrysotile	3 Cellulose 2 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 70 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225627A Dk Cream Floor Tile	B-1404 A	>1-3 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 65 Carbonate Binders 20 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 12 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225627B Black Tile Mastic	B-1404 B	5-10 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 80 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 10 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers
225628 Cream Floor Tile	B-1405	>1-3 Chrysotile	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 65 Carbonate Binders 20 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 12 Mineral Cleavages Paint / Ink Perlite Vermiculite	I F # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225629 Black Mastic	B-1406	3-5 Chrysotile	<1 Cellulose <1 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders 80 Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225630 Cream Joint Compound	B-1407	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 85 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 15 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
225631A Cream Texturing	B-1408 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 75 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint 5 Perlite Vermiculite	I NF # Of Layers
225631B Cream Joint Compound	B-1408 B	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 80 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers
225632A Cream Texturing	B-1409 A	None Detected	Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders 60 Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 40 Mineral Cleavages Paint Perlite Vermiculite	I NF # Of Layers

RESULTS LAB SAMPLE # LAB DESCRIPTION	CLIENT SAMPLE #	PERCENTAGE AND TYPE OF ASBESTOS	PERCENTAGE FIBROUS NON-ASBESTOS	PERCENTAGE NON-FIBROUS MATERIAL	I-INHOMOGENEOUS H-HOMOGENEOUS F-FIBROUS NF-NONE FIBROUS
225632B White Drywall	B-1409 B	None Detected	10 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 60 Gypsum <1 Mica 30 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225633A Cream Texturing	B-1410 A	None Detected	<1 Cellulose Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms Gypsum Mica 20 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers
225633B White Drywall	B-1410 B	None Detected	10 Cellulose <1 Glass Fibers Animal Fibers Mineral Wool Processed Paper Synthetic Fiber Talc Wollastonite Wood Fibers Cork	Binders Carbonate Binders Organic Binders Sulfate Binders Aggregate Diatoms 58 Gypsum 2 Mica 30 Mineral Cleavages Paint Perlite Vermiculite	I F # Of Layers

Attached are the results of analysis of bulk samples submitted for asbestos identification. Converse Consultants follows EPA Method EPA/600/R-93/116, July 1993 and EPA/600/M4-82-020, December 1982.

Each sample was initially examined under a stereoscopic microscope at a magnification of 10x to 60x. Fibrous material was examined for morphology and content. Portions of each sample were immersed in a fluid with a known refractive index. The sample was examined under polarized light using a Olympus BHT PLM microscope with a McCrone Dispersion Staining objective under 100X magnification. Optical characteristics of the fibrous material were examined to determine the mineralogy of the fiber. The observed optical characteristics include angles of extinction, signs of elongation and dispersion staining colors. Asbestos fiber content is estimated by optically comparing the quantity of asbestos material and non-asbestos material to establish estimated percentages. Per the method, samples with distinct layers or inhomogeneous character have each layer analyzed separately and reported as individual layers. (I - Inhomogeneous, H - Homogeneous, F - Fibrous, NF - Non-Fibrous)

Bulk sampling may not have been performed by Converse Consultants personnel. No warranty is made as to the acceptability of sampling strategies.

Converse Consultants is National Voluntary Laboratory Accreditation Program accredited. Our NVLAP Lab Code: 102091-0. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This report must not be reproduced except in full without the approval of the laboratory. This report relates only to the items tested.

Converse Consultants

3095 East Patrick Lane, Suite 12, Las Vegas, NV 89120

MATERIAL SURVEY DATA

Page _____ of _____

Phone: (702) 269-8336 FAX: (702) 269-8353

Converse Inspectors: <u>J. Matters</u>	Project Name: <u>UMC - Annual</u>	Project Number: <u>14-43186-01</u>	Date Sampled: <u>6/25/15</u>
Converse Contact:	Project Location: <u>2040 Bldg - 3rd (302)</u>	Asbestos Analysis Type: <u>Bulk (PLM)</u>	Instructions:
E-Mail:			

Turn-Around Time: (Circle) RUSH 24 Hours 2 Days 3 Days Requested: E-MAIL Verbal

LAB #	SAMPLE #	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX QNTY	COND	FRIABLE YES/NO	COMMENTS	ASBESTOS %
<u>225604</u>	<u>B-1381</u>	<u>Light weight Concrete/Leveling Cpd with black mastic</u>	<u>Exam 373; SEC</u>		<u>G</u>	<u>N</u>	<u>72 SF of concrete</u>	
<u>225605</u>	<u>B-1382</u>	<u>Remnant Mastic</u>	<u>↓ ↓</u>		<u>G</u>	<u>N</u>		
<u>225606</u>	<u>B-1383</u>	<u>↓ ↓</u>	<u>Former Bleeding Room 303 (Restroom) Cut into on NEC portion</u>		<u>G</u>	<u>N</u>		
<u>225607</u>	<u>B-1384</u>	<u>Carpet Mastic/FT/black mastic</u>	<u>Former Exam Room 305 NEC</u>		<u>G</u>	<u>N</u>	<u>170 SF of FT</u>	
<u>225608</u>	<u>B-1385</u>	<u>Remnant Black Mastic</u>	<u>↓ ↓</u>		<u>G</u>	<u>N</u>		
<u>225609</u>	<u>B-1386</u>	<u>Carpet Mastic/FT/black mastic</u>	<u>Former Nurse Station 305; SEC</u>		<u>G</u>	<u>N</u>	<u>20 SF of TL</u>	
<u>225610</u>	<u>B-1387</u>	<u>↓ ↓</u>	<u>Former Exam Room B-309</u>		<u>G</u>	<u>N</u>	<u>110 SF of TL</u>	
<u>225611</u>	<u>B-1388</u>	<u>↓ ↓</u>	<u>Former Bleeding Room 317</u>		<u>G</u>	<u>N</u>	<u>65 SF of TL</u>	
<u>225612</u>	<u>B-1389</u>	<u>Joint Cpd</u>	<u>Corr 306 @ Kitcheneretta</u>		<u>G</u>	<u>N</u>		
<u>225613</u>	<u>B-1390</u>							

MATERIAL	CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitting Insulation PPI - Pipe Part Insulation DI - Duct Insulation TI - Tank Insulation TSI Thermal System Insulation EJ - Expansion Joint BI - Boiler Insulation FT - Floortile M - Mastic CB - Core Basic/Mastic CT - Ceiling Tile AS - Acoustic Spray WP - Wall Plaster GA - Gasket D - Debris RM - Roofing Material DW - Drywall JC - Joint Compound Wt Wall Texture	G - Good (No maintenance is required currently) <10% D - Damaged (Some repair needed) SD - Significantly Damaged (Repair or replace ASAP)	LF - Linear Feet SF - Square Feet CF - Cubic Feet	A - Amosite Asbestos C - Crysolite Asbestos ND - No Asbestos Detected

Relinquished By: <u>[Signature]</u>	Relinquished By: _____	Relinquished By: _____	Relinquished By: _____
Date/ Time: <u>6/25/15 @ 12:00</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____
Received By: <u>7-JUL-15</u>	Received By: _____	Received By: _____	Received By: _____
Date/ Time: <u>MM</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____

Converse Consultants

3095 East Patrick Lane, Suite 12, Las Vegas, NV 89120

MATERIAL SURVEY DATA

Page _____ of _____

Phone: (702) 269-8336 FAX: (702) 269-8353

Converse Inspectors:	Project Name: <u>UMC - Annual</u>	Project Number: <u>14-43186-01</u>	Date Sampled: <u>6/25/15</u>
Converse Contact:	Project Location: <u>2040 Bldg 302</u>	Asbestos Analysis Type: Bulk (PLM)	Instructions:
E-Mail:			
Turn-Around Time: (Circle)	RUSH	<u>24 Hours</u>	2 Days 3 Days
Requested:		E-MAIL	Verbal

LAB #	SAMPLE #	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX QNTY	COND	FRIABLE YES/NO	COMMENTS	ASBESTOS %
225614	B-1391	Joint Cpd	Form Consult 310 / Current Conference Rm		G	N		
225615	B-1392	↓ ↓	Corridor 326		G	N		
225616	B-1393	Joint Cpd (Rough Texture)	↓ ↓		G	N		
225617	B-1394	Smooth textured drywall core	Exam Rm 320; Southwell SEC → 314		G	Y/N		
225618	B-1395	↓ ↓	Corr. 326; Northwell; East End		G	Y/N		
225619	B-1396	↓ ↓			G	Y/N		
225620	B-1397	Textured Drywall Core	Exam Rm 374; Northwell		G	Y/N		
225621	B-1398	↓ ↓	Form 317; Northwell		G	Y/N		
225622	B-1399	↓ ↓	Exam Rm 323; Southwell		G	Y/N		
225623	B-1400	Rough Texture Drywall Core	Exit Hall off 326		G	Y/N		

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitting Insulation	FT - Floortile	GA - Gasket	G - Good (No maintenance is required currently) <10%	LF - Linear Feet	A- Amosite Asbestos
PPI - Pipe Part Insulation	M - Mastic	D - Debris	D - Damaged (Some repair needed)	SF - Square Feet	C- Crysolite Asbestos
DI - Duct Insulation	CB - Core Basic/Mastic	RM - Roofing Material	SD - Significantly Damaged (Repair or replace ASAP)	CF - Cubic Feet	ND No Asbestos Detected
TI - Tank Insulation	CT - Ceiling Tile	DW - Drywall			
TSI Thermal System Insulation	AS - Acoustic Spray	JC - Joint Compound			
EJ - Expansion Joint	WP - Wall Plaster	Wt Wall Texture			
BI - Boiler Insulation					

Relinquished By: <u>[Signature]</u>	Relinquished By: _____	Relinquished By: _____	Relinquished By: _____
Date/ Time: <u>6/25/15 12:00</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____
Received By: <u>7-JUL-15</u>	Received By: _____	Received By: _____	Received By: _____
Date/ Time: <u>MHC</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____

Converse Consultants

3095 East Patrick Lane, Suite 12, Las Vegas, NV 89120

MATERIAL SURVEY DATA

Page _____ of _____

Phone: (702) 269-8336 FAX: (702) 269-8353

Converse Inspectors:		Project Name: <u>UMC Annual</u>		Project Number: <u>14-43186-01</u>		Date Sampled: <u>6/25/15</u>	
Converse Contact:		Project Location: <u>2040 Bldg (300)</u>		Asbestos Analysis Type: <u>Bulk (PLM)</u>		Instructions:	
E-Mail:							
Turn-Around Time: (Circle)		RUSH		24 Hours		2 Days	
				3 Days		Requested: E-MAIL Verbal	

LAB #	SAMPLE #	MATERIAL DESCRIPTION	SAMPLE LOCATION	APPROX QNTY	COND	FRIABLE YES/NO	COMMENTS	ASBESTOS %
<u>225624</u>	<u>B-1401</u>	<u>Carpet Mastic over Remnant Black Mastic</u>	<u>Exam Rm 370, MEC</u>					
<u>225625</u>	<u>B-1402</u>	↓ ↓	<u>Exam Rm 359; MEC</u>					
<u>225626</u>	<u>B-1403</u>	<u>PT under carpet</u>	<u>Exam Rm 357 MEC</u>					
<u>225627</u>	<u>B-1404</u>	<u>12x12 FT;</u>	<u>Exam Rm 349</u>				<u>Black mastic - 12' x 12' SF</u>	
<u>225628</u>	<u>B-1405</u>	↓ ↓	<u>Exam 337</u>				<u>375 SF</u>	
<u>225629</u>	<u>B-1406</u>	<u>black mastic</u>	↓ ↓				↓ <u>mastic over all units area</u>	
<u>225630</u>	<u>B-1407</u>	<u>Joint Comp</u>	<u>Frm/Lab/Corr 352 Corner</u>					
<u>225631</u>	<u>B-1408</u>	↓	<u>Rm 348</u>					
<u>225632</u>	<u>B-1409</u>	<u>Text: Drywall Cor</u>	<u>Rm 357</u>					
<u>225633</u>	<u>B-1410</u>	↓ ↓	<u>Corr 322; new floor</u>					

MATERIAL			CONDITION	UNITS	ASBESTOS %
PFI - Pipe Fitting Insulation	FT - Floortile	GA - Gasket	G - Good (No maintenance is required currently) <10%	LF - Linear Feet	A - Amosite Asbestos
PPI - Pipe Part Insulation	M - Mastic	D - Debris	D - Damaged (Some repair needed)	SF - Square Feet	C - Crysofile Asbestos
DI - Duct Insulation	CB - Core Basic/Mastic	RM - Roofing Material	SD - Significantly Damaged (Repair or replace ASAP)	CF - Cubic Feet	ND - No Asbestos Detected
TI - Tank Insulation	CT - Ceiling Tile	DW - Drywall			
TSI - Thermal System Insulation	AS - Acoustic Spray	JC - Joint Compound			
EJ - Expansion Joint	WP - Wall Plaster	Wt - Wall Texture			
BI - Boiler Isulation					

Relinquished By: <u>[Signature]</u>	Relinquished By: _____	Relinquished By: _____	Relinquished By: _____
Date/ Time: <u>6/25/15 11:20</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____
Received By: <u>7-JUL-15</u>	Received By: _____	Received By: _____	Received By: _____
Date/ Time: <u>MMc</u>	Date/ Time: _____	Date/ Time: _____	Date/ Time: _____

Table 1 - Asbestos Sampling Results - 2040 Building, Third Floor

Sample No.	Layer	Sample Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable (Y/N)	Condition	Asbestos Content	EPA Category
B-1234	1	3rd Floor, North Stairwell, West Side	12" x 12" Floor Tile (Tan/Grey)	280 SF	N	Good	>1% - 3% Chrysotile	Cat. I-NF
	2		Mastic (Black)		N	Good	5% - 10% Chrysotile	Cat. I-NF
B-1235	1	3rd Floor, South Stairwell, at Turn	12" x 12" Floor Tile (Tan/Grey)		N	Good	>1% - 3% Chrysotile	Cat. I-NF
	2		Mastic (Black)		N	Good	5% - 10% Chrysotile	Cat. I-NF
B-1271	1	Eletrical Room C30, North	Fireproofing (Tan)	N/M	Y	Good	ND	Non-ACM
B-1272	1	Data Room C35	Fireproofing (Tan)		Y	Good	ND	Non-ACM
B-1273	1	Corridor 201, NWC at Colimn	Fireproofing (Tan)		Y	Good	ND	Non-ACM
B-1274	1	Corridor 201, NWC at Colimn	Ceiling Tile (Dark Cream)	N/M	Y	Good	ND	Non-ACM
B-1275	1	Corridor 302 at Elevator	Ceiling Tile (Dark Cream)		Y	Good	ND	Non-ACM
B-1276	1	Corridor at Elevator Room C30	Ceiling Tile (Dark Cream)		Y	Good	ND	Non-ACM
B-1277	1	Electrical Rom C30 at Threshold	Floor Tile (Grey)	N/M	N	Good	ND	Non-ACM
	2		Mastic (Tan)		N	Good	ND	Non-ACM
B-1278	1	South Stairwell Threshold	Floor Tile (Grey)		N	Good	ND	Non-ACM
	2		Mastic (Tan)		N	Good	ND	Non-ACM
B-1279	1	Data Room C35 Threshold	Floor Tile (Grey)		N	Good	ND	Non-ACM
	2		Mastic (Tan)		N	Good	ND	Non-ACM
B-1280	1	Corridor 305 at Janitors Closet C32 (EVS)	Covebase (Black)		N	Good	ND	Non-ACM
	2		Mastic (Cream)		N	Good	ND	Non-ACM
	3		Wallpaper (Tan)		N	Good	ND	Non-ACM
B-1281	1	North Corridor, Center, North Wall	Covebase (Black)	N	Good	ND	Non-ACM	
	2		Mastic (Cream)	N	Good	ND	Non-ACM	
	3		Wallpaper (Tan)	N	Good	ND	Non-ACM	
B-1282	1	Corridor 301 at South Stair Entry	Covebase (Black)	N	Good	ND	Non-ACM	
	2		Mastic (Cream)	N	Good	ND	Non-ACM	
	3		Wallpaper (Tan)	N	Good	ND	Non-ACM	

Table 1 - Asbestos Sampling Results - 2040 Building, Third Floor

Sample No.	Layer	Sample Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable (Y/N)	Condition	Asbestos Content	EPA Category
B-1283	1	Corridor 302 at Hall Junction Corner	Joint Compound (Cream)	N/M	Y	Good	ND	Non-ACM
B-1284	1	Men's Restroom, Non-handicapped Stall	Joint Compound (Cream)		Y	Good	ND	Non-ACM
B-1285	1	Corridor 301 at Duct Shaft	Joint Compound (Cream)		Y	Good	ND	Non-ACM
B-1286	1	Corner Protector at Corridor 302 at Hall Junction Corner	Mastic (Brown)	N/M	N	Good	ND	Non-ACM
B-1287	1	Electrical Room C30, South Wall	Grout (Beige)	N/M	N	Good	ND	Non-ACM
B-1288	1	Electrical Room C30, South Wall	Texture (Cream)	N/M	Y	Good	ND	Non-ACM
	2		Drywall (White)		Y	Good	ND	Non-ACM
B-1289	1	Electrical Room C35, West Wal	Texture (Cream)		Y	Good	ND	Non-ACM
	2		Drywall (White)		Y	Good	ND	Non-ACM
B-1290	1	Men's Restroom, Handicapped Stall	Texture (Cream)		Y	Good	ND	Non-ACM
	2		Drywall (White)		Y	Good	ND	Non-ACM
B-1291	1	Men's Restroom, Non-handicapped Stall	Tile Adhesive (Yellow/Cream)		N	Good	ND	Non-ACM
	2		Joint Compound (Cream)		Y	Good	ND	Non-ACM
B-1381	1	Exam Room 373, SEC	Carpet Mastic (Tan)	8,000 SF	N	Good	ND	Non-ACM
	2		Cementitious Material (Grey)		N	Good	ND	Non-ACM
	3		Mastic (Black)		N	Good	3% - 5% Chrysotile	Cat. I-NF
	4		Leveling Compound (White)		Y	Good	ND	Non-ACM
B-1382	1	Exam Room 373, SEC	Mastic (Black)		N	Good	3% - 5% Chrysotile	Cat. I-NF
B-1383	1	Former Waiting Room 363 Restroom	Mastic (Tan)		N	Good	<1% Chrysotile	Non-ACM
	2		Mastic (Black)		N	Good	5% - 10% Chrysotile	Cat. I-NF

Table 1 - Asbestos Sampling Results - 2040 Building, Third Floor

Sample No.	Layer	Sample Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable (Y/N)	Condition	Asbestos Content	EPA Category
B-1384	1	Former Exam Room 315, NEC	Mastic (Tan)	--1	N	Good	ND	Non-ACM
	2		Floor Tile (Tan)		N	Good	>1% - 3% Chrysotile	Cat. I-NF
	3		Mastic (Black)		N	Good	>1% - 3% Chrysotile	Cat. I-NF
B-1385	1	Former Exam Room 315, NEC	Mastic (Black)		N	Good	3% - 5% Chrysotile	Cat. I-NF
B-1386	1	Former Nurse Station 305, SEC	Carpet Mastic (Tan)		N	Good	ND	Non-ACM
	2		Floor Tile (Cream)		N	Good	ND	Non-ACM
	3		Mastic (Black)		N	Good	3% - 5% Chrysotile	Cat. I-NF
B-1387	1	Former Exam Room 319	Carpet Mastic (Tan)		N	Good	ND	Non-ACM
	2		Floor Tile (Cream)		N	Good	3% - 5% Chrysotile	Cat. I-NF
	3		Mastic (Black)		N	Good	3% - 5% Chrysotile	Cat. I-NF
B-1388	1	Former Exam Room 317	Carpet Mastic (Tan)		N	Good	ND	Non-ACM
	2		Floor Tile (Cream)		N	Good	3% - 5% Chrysotile	Cat. I-NF
	3		Mastic (Black)		N	Good	5% - 10% Chrysotile	Cat. I-NF
B-1389	1	Corridor 316, At Kitchenette	Joint Compound (Cream)	N/M	N	Good	ND	Non-ACM
B-1390	1	Corridor 366, At Waiting Room	Joint Compound (Cream)		N	Good	ND	Non-ACM
B-1391	1	Former Consult 310/Curent Conference Room	Joint Compound (Cream)		N	Good	ND	Non-ACM
B-1392	1	Corridor 326	Joint Compound (Cream)		N	Good	ND	Non-ACM

Table 1 - Asbestos Sampling Results - 2040 Building, Third Floor

Sample No.	Layer	Sample Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable (Y/N)	Condition	Asbestos Content	EPA Category	
B-1393	1	Corridor 326	Texture (Cream)	N/M	Y	Good	ND	Non-ACM	
	2		Joint Compound (Cream)		Y	Good	ND	Non-ACM	
B-1394	1	Exam Room 314, South Wall at SEC	Texture/Joint Compound (Cream)		Y	Good	ND	Non-ACM	
	2		Drywall (White)		Y	Good	ND	Non-ACM	
B-1395	1	Corridor 326, North Wall, East End	Drywall (White)		Y	Good	ND	Non-ACM	
B-1396	1	Conference Room 331, West Wall	Texture (Cream)		N/M	Y	Good	ND	Non-ACM
	2		Joint Compound (Cream)			Y	Good	ND	Non-ACM
	3		Joint Compound (Cream)			Y	Good	ND	Non-ACM
	4		Drywall (White)	Y		Good	ND	Non-ACM	
B-1397	1	Exam Room 374, North Wall	Texture (Cream)	Y		Good	ND	Non-ACM	
	2		Joint Compound (Cream)	Y		Good	ND	Non-ACM	
	3		Joint Compound (Cream)	Y		Good	ND	Non-ACM	
	4		Drywall (Beige)	Y		Good	ND	Non-ACM	
B-1398	1	Former 317, North Wall	Texture (Cream)	N/M	Y	Good	ND	Non-ACM	
	2		Drywall (White)		Y	Good	ND	Non-ACM	
B-1399	1	Exam Room South Wall	Texture (Cream)		Y	Good	ND	Non-ACM	
	2		Drywall (White)		Y	Good	ND	Non-ACM	
B-1400	1	Exit Hall, Off 326	Texture (Cream)		Y	Good	ND	Non-ACM	
	2		Drywall (White)		Y	Good	ND	Non-ACM	

Table 1 - Asbestos Sampling Results - 2040 Building, Third Floor

Sample No.	Layer	Sample Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable (Y/N)	Condition	Asbestos Content	EPA Category
B-1401	1	Exam Room 370. NEC	Matic (Tan)	--1	N	Good	ND	Non-ACM
	2		Mastic (Black)		N	Good	3% - 5% Chrysotile	Cat. I-NF
B-1402	1	Exam Room 359, NWC	Matic (Tan)		N	Good	ND	Non-ACM
	2		Mastic (Black)		N	Good	3% - 5% Chrysotile	Cat. I-NF
B-1403	1	Exam Room 357. NEC	Carpet Mastic (Yellow)		N	Good	ND	Non-ACM
	2		Floor Tile (Dark Cream)		N	Good	>1% - 3% Chrysotile	Cat. I-NF
	3		Mastic (Black)		N	Good	5% - 10% Chrysotile	Cat. I-NF
B-1404	1	Exam Room 349	Floor Tile (Dark Cream)		N	Good	>1% - 3% Chrysotile	Cat. I-NF
	2		Mastic (Black)		N	Good	5% - 10% Chrysotile	Cat. I-NF
B-1405	1	Exam Room 337	Floor Tile (Dark Cream)		N	Good	>1% - 3% Chrysotile	Cat. I-NF
B-1406	1	Exam Room 337	Floor Tile (Dark Cream)	N	Good	3% - 5% Chrysotile	Cat. I-NF	

Table 1 - Asbestos Sampling Results - 2040 Building, Third Floor

Sample No.	Layer	Sample Location	Sample Description	Approximate Quantity (SF/LF/EA)	Friable (Y/N)	Condition	Asbestos Content	EPA Category
B-1407	1	Former Lab/Corridor 352 Corner	Joint Compound (Cream)	N/M	N	Good	ND	Non-ACM
B-1408	1	Room 348	Texture (Cream)		N	Good	ND	Non-ACM
	2		Joint Compound (Cream)		N	Good	ND	Non-ACM
B-1409	1	Room 359	Texture (Cream)		N	Good	ND	Non-ACM
	2		Drywall (White)		N	Good	ND	Non-ACM
B-1410	1	Corridor 362, North End	Texture (Cream)		N	Good	ND	Non-ACM
	2		Drywall (White)		N	Good	ND	Non-ACM

NOTES:

NM = Not Measured

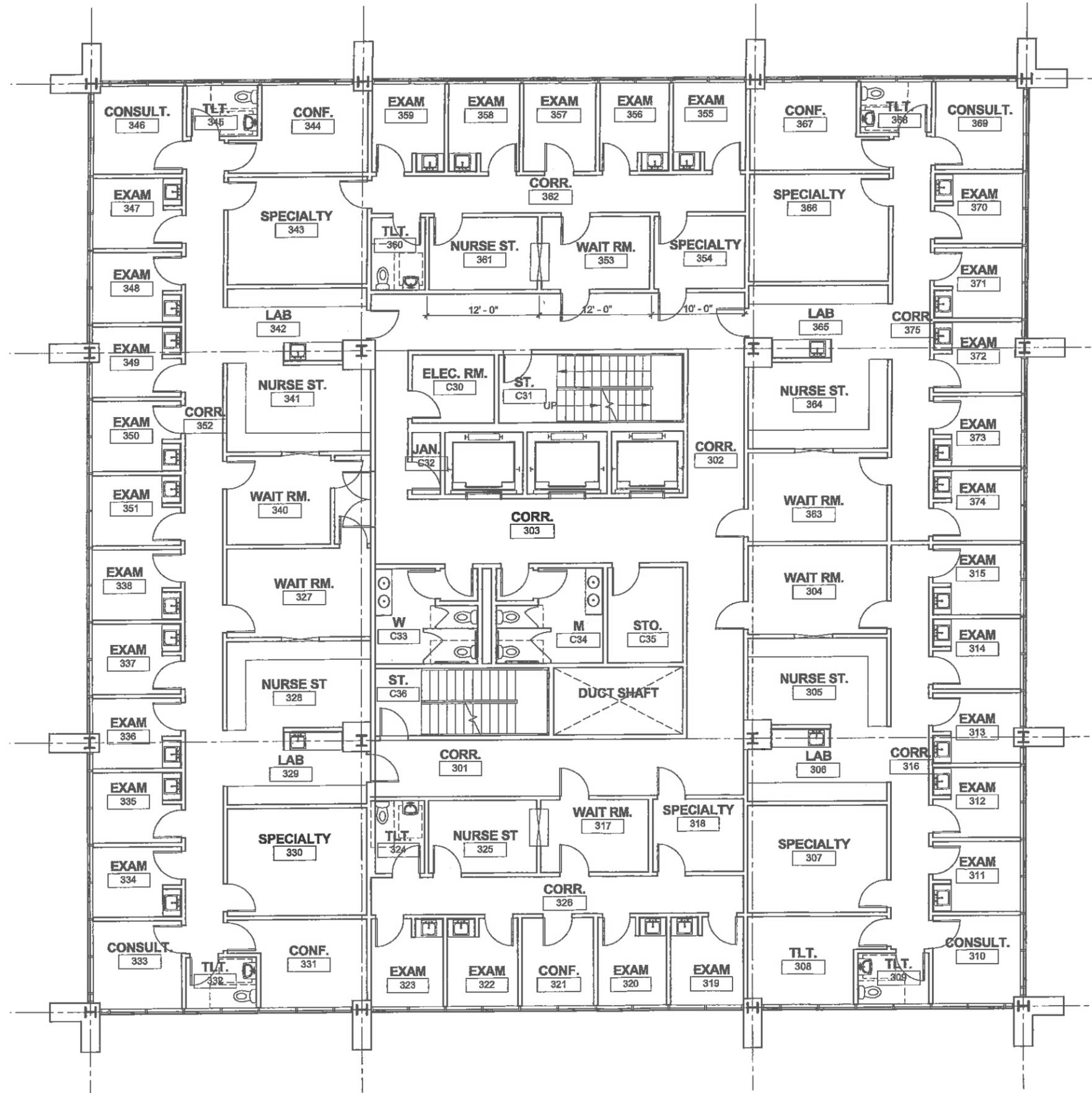
ND = None Detected

Non-ACM = Non-Asbestos-Containing Material

Cat. I-NF = Category I Non-friable

SF = Square Feet

1 = Quantity identified in samples B-1381 to B-1383.





Attachment B

Certifications



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Converse Consultants

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Reno, NV 89502

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URL: <http://www.converseconsultants.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 102091-0

NVLAP Code Designation / Description

- | | |
|--------|--|
| 18/A01 | EPA 600/M4-82-020: Interim Method for 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 |

2014-07-01 through 2015-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 102091-0

Converse Consultants
Reno, NV

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

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2014-07-01 through 2015-06-30

Effective dates



A handwritten signature in black ink, appearing to read "William R. M. L. P.", is written over a horizontal line.

For the National Institute of Standards and Technology