



Testing Engineers & Consultants, Inc.

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TEC Report Number: 64163

Date Issued: April 25, 2024

Ariel Suarez
Wayne State University
5454 Cass Avenue,
Detroit, MI 48202

Re: Limited Sampling and Analysis of Richard Cohn Memorial Building Rooms 11, 13, and 15,
located at 5557 Cass Ave, Detroit, MI.

Dear Ariel Suarez:

Testing Engineers & Consultants, Inc. (TEC) recently conducted sampling of concrete ceiling and firestop at 5557 Cass Avenue, Detroit, MI. The work was performed to obtain data regarding the asbestos content and conditions of these components in the areas to be affected during upcoming renovations.

TEC's sampling strategy was to collect samples of suspect ACMs from representative locations in the specified areas.

Sampling was conducted on April 23, 2024. Individual Homogeneous Material (HM#) numbers were assigned to the ceiling concrete and firestop samples obtained from locations within the specified area. Appendix A contains photographs depicting the samples within the specified area that was investigated.

Two bulk samples were taken from representative areas within the work area. Afterward, the samples were forwarded to an NVLAP accredited laboratory and analyzed for fibrous asbestos by polarized light microscopy (PLM). Samples containing greater than 1% asbestos are asbestos-containing materials (ACM) by the Environmental Protection Agency. 6 layers were analyzed via PLM

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All services undertaken are subject to the following policy. Reports are submitted for exclusive use of the clients to whom they are addressed. Their significance is subject to the adequacy and representative character of the samples and the comprehensiveness of the tests, examinations and surveys made. No quotation from reports or use of TEC's name is permitted except as expressly authorized by TEC in writing.

CONSULTING ENGINEERS & FULL-SERVICE PROFESSIONAL TESTING AND INSPECTION
OFFICES IN ANN ARBOR, DETROIT, AND TROY
FOUNDED IN 1966

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Wayne State University

Ariel Suarez

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The laboratory results show asbestos was not detected in the concrete and fire stop samples.

Polarized light microscopy (PLM) is not consistently reliable in detecting asbestos in a small percentage of samples that contain asbestos. Certain flooring materials (floor tile, linoleum) may contain very small asbestos fibers that are not visible by PLM. The fibers may also be bound or obscured by the organic matrix of the material. Thus, negative PLM results are not guaranteed by the laboratory. TEC recommends that any samples reported as <1% or below limit of detection should be further tested by transmission electron microscopy (TEM) to positively determine if the material is an ACM.

We are pleased to provide this service. Should you have any questions or require additional information, please contact this office at your earliest convenience.

Respectfully Submitted,
TESTING ENGINEERS & CONSULTANTS, INC.



Madison P. Konrad
Group Manager,
Industrial Hygiene Services Group

Appendix A
Laboratory Results

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project: Cohn Nursing Building - Limited ACM
Project #: 64163



Report To:

Mr. Joe Konrad
 Testing Engineers & Consultants, Inc.
 1343 Rochester Rd.
 Troy, MI 48083

ARI Report # 24-110310
 Date Collected: 04/23/24
 Date Received: 04/23/24
 Date Analyzed: 04/24/24
 Date Reported: 04/25/24

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 110310 - 01 Cust. #: 1A Material: Concrete Ceiling (Grey) Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 110310 - 01a Cust. #: 1A Material: Mortar Location: Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 110310 - 02 Cust. #: 1B Material: Concrete Ceiling (Grey) Location: Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project: Cohn Nursing Building - Limited ACM
Project #: 64163



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 1343 Rochester Rd.
 Troy, MI 48083

ARI Report # 24-110310
 Date Collected: 04/23/24
 Date Received: 04/23/24
 Date Analyzed: 04/24/24
 Date Reported: 04/25/24

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 110310 - 02a Cust. #: 1B Material: Mortar Location: Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 110310 - 03 Cust. #: 2A Material: Fire Step (Red) Location: Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Synthetic - 2% Other - 98%
Lab ID #: 110310 - 04 Cust. #: 2B Material: Fire Step (Red) Location: Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Synthetic - 2% Other - 98%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Liability limited to cost of analysis.





Testing Engineers and Consultants, Inc.
 1343 Rochester Road
 Troy, Michigan 4083-6015
 Phone: 248.585.6200; Fax 248.585.9519

CHAIN OF CUSTODY

Client Name: Wayne State University
Address: 5454 Cass Avenue
City, St., Zip: Detroit, MI 48202

Date of Survey: 4/23/24
Project Name: Cohn Nursing Building - Limited ACM
Project Number:
Contact Person: 64163 see circled below*

TURN AROUND TIME

Analytical Method(s) Requested:

Rush		24 Hour		Asbestos:	Bulk	✓	Wipe		Pnt. Cnt.	≤ 2%	PCM	
48 Hour	✓	72 Hour		Lead:	Bulk		Wipe		Air		Paint	Soil
Other		TTP	✓	Mold:	Bulk		Tape		BioCell		BioSls	Other
				TEM:	AHERA	7400		Bulk/NOB		EPA	Level II	

Lab ID#	Client ID #	Material/Description	Volume/Area/Location	Results
	1A-B	Concrete Ceiling (Grey)		
	2A-B	Fire Step (Red)		

RECEIVED

Relinquished
 By: [Signature]
 Date: 4/23/24

Received By: KD
 Date: 11:21 APR 23 2024

Relinquished
 By: _____
 Date: _____

Received
 By: _____
 Date: _____

*jkonrad@tectest.com; mkonrad@tectest.com; jllkonrad@tectest.com; jpallach@tectest.com; eklemann@tectest.com; ihdepartment123456@gmail.com

smashall@tectest.com zline@tectest.com

Appendix B
Representative Photographs

TESTING ENGINEERS & CONSULTANTS, INC.
TEC PROJECT NUMBER: 64163



Richard Cohn Memorial Building
5557 Cass Avenue,
Detroit, MI



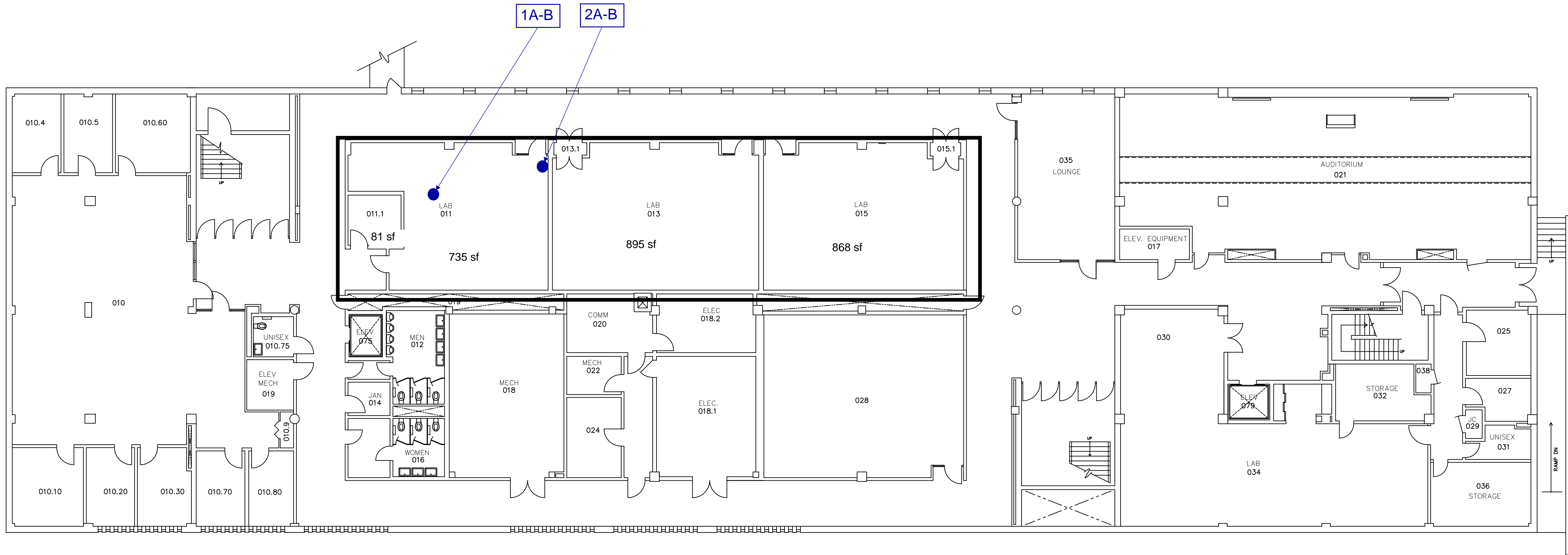
HM#1- Ceiling Concrete (Grey Painted White)



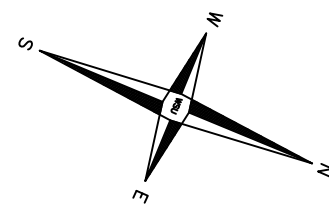
HM#2- Firestop (Red Painted White)

Appendix C
Sample Location Map

TEC Floor Sample Location Map
 5557 Cass Ave, Detroit MI 48202
 TEC Project Number: 64163



COHN BUILDING
 BUILDING #048
 GROUND FLOOR



DISCLAIMER:
 WAYNE STATE UNIVERSITY, FACILITIES PLANNING AND MANAGEMENT
 MAKES THESE DOCUMENTS AVAILABLE ON AN "AS IS" BASIS.
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