



Environmental Resources Group

28003 Center Oaks Court • Suite 106 • Wixom, MI • 48393
Phone: 248-773-7986 • Fax: 248-924-3108

August 8, 2013

Mr. Richard Higgins
Norstar Development USA, L.P.
733 Broadway
Albany, New York 12207

**Re: Asbestos Containing Material Survey
Miller Manor
727 Miller Avenue, Ann Arbor, Michigan
ERG Project 1126.002**

Dear Mr. Higgins,

Environmental Resources Group, LLC (ERG) has completed the pre-renovation asbestos containing material survey (ACM Survey) for the referenced property in Ann Arbor, Michigan.

ERG contracted American Environmental Consultants (AEC) to perform the survey. The asbestos survey was performed on April 24-27, 2013 by an accredited Asbestos Inspector in general accordance with NESHAP Guidelines, with the focus on satisfying the regulatory ACM information requirements for building renovation activities. The pre-renovation ACM survey targeted readily accessible building materials and included the collection and analysis of bulk samples. Samples were analyzed by the polarized light microscopy (PLM) and/or Point Count methods.

The results of the pre-renovation ACM survey indicated that several materials (floor tile, mastic, joint compound, sink glazing, exterior cement caulk, ceiling tile and roofing) were found to contain asbestos and are deemed ACMs.

Please refer to the attached AEC report for survey details and analytical results.

Thank you for the opportunity to provide this service to you. If you have any questions, please contact us at 248-773-7986.

Sincerely,
ENVIRONMENTAL RESOURCES GROUP, LLC

Andrew J. Foerg, CPG
Senior Project Manager

Enclosures

ASBESTOS CONTAINING MATERIALS SURVEY

FOR THE PROPERTY AT:

Miller Manor
727 Miller Ave.
Ann Arbor, MI 48103



PREPARED FOR:

Environmental Resources Group LLC.
28003 Center Oaks Court, Suite 106
Wixom, Michigan 48393

PERFORMED BY:

American Environmental Consultants, LLC
12838 Gavel
Detroit, Michigan 48227
Ph: (313) 491-2600
Fax: (313) 491-2601
www.aecmi.net

DATE:

April 24th, 25th and 26th of 2013

PROJECT NUMBER:

1459-13004

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Executive Summary

American Environmental Consultants, LLC (AEC) was contracted by the ERG to perform an Asbestos Containing Materials (ACM) Survey at 727 Miller Ave. in Ann Arbor, Michigan. The survey was completed on April 24th, 25th and 26th of 2013.

The following is a summary of the asbestos containing materials identified in the building which will require special handling during any renovation or demolition activities.

- *Approx. 125000 SF of joint compound throughout property.*
- *Approx. 9075 SF of mastic under 12"x 12" white with blue floor tile throughout kitchen and bathrooms.*
- *Approx. 3970 SF of 12"x 12" white with splotch floor tile and mastic throughout kitchen and bathrooms.*
- *Approx. 910 SF of sink glazing throughout property.*
- *Approx. 2000 LF of grey cement caulk on exterior porches and expansion joint.*
- *Approx. 400 SF of 2'x 4' pinhole fissured ceiling tile in the office near the kitchen.*
- *Approx. 20000 SF Suspect ACM roofing material*

Introduction

Jef Fox (Inspector #A34641) of AEC, gained access to the property on April 24th, 25th and 26th of 2013. AEC was to complete an asbestos containing materials survey of accessible areas of the subject property. The subject property is scheduled for rehabilitation. AEC visually identified and sampled suspect asbestos containing materials.

AEC was allowed access to all interior/exterior areas of the building. AEC attempted to inspect for hidden asbestos containing materials without disturbing the structure or integrity of the subject property.

Observations

AEC inspected all of the areas of the subject property. The interior finishing components were drywall systems, floor tile (12x12, (9x9), linoleum, ceiling tiles, and baseboards. The subject property was built of brick construction. AEC has attached site pictures In Appendix C depicting the site conditions.

Methodology

The survey was completed in accordance with the regulations stated in the Asbestos Hazard Emergency Response Act (AHERA) and the National Emission Standards for Hazardous Air

Pollutants (NESHAP). A modified triplicate random sampling method of homogeneous area materials was utilized for the sampling procedure. The modified sampling procedure performed was 3-7 samples for surfacing materials, 3 samples for thermal systems insulation, and 3 samples for miscellaneous materials. The samples were collected in a manner to prevent release of fibers while sampling the suspect asbestos containing materials (SACM). Utensils were cleaned after each sample was collected to prevent cross contamination of samples. AEC personnel took personal protective measures. The individual samples were placed into airtight leak proof labeled containers to be transported to the laboratory.

The samples were submitted under chain of custody to EMSL Analytical, Inc. in Ann Arbor, Michigan for bulk sample analysis. The laboratory is an American Industrial Hygiene Association (AIHA) accredited laboratory. A standard turn-around time was indicated on the Chains of Custody.

The bulk samples were analyzed by EMSL in general accordance with the protocols described in the EPA 600/R-93/116 Method for bulk sample analysis. This method utilizes polarized light microscopy (PLM) for the detection of asbestos fibers. Asbestos cannot accurately be detected with this method if the materials contain less than 10% asbestos and the EPA recommends that the samples be re-analyzed by the EPA Point Count Method. All 1% or less asbestos containing samples will be deemed non-asbestos containing for the purposes of this survey.

Results

Samples were collected of 52 visible suspect asbestos containing material homogeneous sampling areas. Based on appearances and type of materials, suspect ACMs were grouped into homogeneous sampling areas (HA) and representative bulk samples were collected. For example: ceiling tile located in different functional spaces (i.e., living room and bedrooms) found to be uniform in texture, color and appeared similar in every other aspect was considered one HA. AEC attempted to collect at least three samples of the various homogeneous materials where possible and practical or as necessary.

The laboratory analyzed a total of 395 samples including layers. The laboratory can separate individual samples into homogeneous layers at their discretion. AAHC requested AEC to point count all positive joint compound samples. The following table displays the homogeneous area materials sampled:

Table 1
727 Miller Ave., Ann Arbor, MI
April 24th, 25th and 26th, 2013
Sampled ACM and Laboratory Results

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
1-KIT-1,2,3	12" x 12" Floor Tile- Maroon	HA-1	200 SF	NF- Good condition	N
	Kitchen				
2-KIT-1,2,3	2' x 4' Plain Ceiling Tile	HA-2	1430 SF	F- Good condition	N
	Kitchen, Maintenance Shop Room, Break Room and Men's Restroom				
3-MO-1,2,3	12" x 12" Floor Tile- Tan Splotch with Blue	HA-3	800 SF	NF- Good condition	N
	Storage, Community Room, Maintenance Offices/ Storage				
4-BR-1	12" x 12" Floor Tile- Dark Blue Splotch	HA-4	450 SF	NF- Good condition	N
	Break Room				
5-BR-1	12" x 12" Floor Tile- Light Blue Splotch	HA-5	100 SF	NF- Good condition	N
	Break Room				
6-MO-1,2,3	Light Green 4" Baseboard	HA-6	200 LF	NF- Good condition	N
	Maintenance Rooms				
7-605,505,708	4" White Baseboard	HA-7	1230 LF	NF- Good condition	N
	108, 110, 209, 505, 708, 716, 605, 502, 706				
8-AAHC-1,2,3	2' x 2' Textured Ceiling Tile	HA-8	5800 SF	F- Good condition	N
	Office Areas, Rec. Bathrooms, Common Hallways, Men's Restrooms, Women's Restrooms				
9-204,316,603	4" Tan Baseboard	HA-9	1780 LF	NF- Good condition	N
	203, 210, 302, 309, 310, 311, 513, 612, 204, 303, 317, 603 Kitchen and Bathroom, 204, 316, 511, 613				

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
10-Lobby, 3 rd Hall, 4 th Hall, Library	12" x 12" Floor Tile- Rust	HA-10	18400 SF	NF- Good condition	N
	Hallways- AAHC, Community Rooms, Lobby, 1 st Floor Hall, 2 nd Floor Hall, 3 rd Floor Hall, 4 th Floor Hall, 5 th Floor Hall, 6 th Floor Hall, 7 th Floor Hall, 7 th Floor Library, 108				
11-Lobby, Library 7 th	12" x 12" Floor Tile- Beige Splotch (Newer)	HA-11	1925 SF	NF- Good condition	N
	Community Room, Hallway, Lobby/ Elevator- 1 st Floor, 7 th Floor Library, Office				
12- 1 st Kitchen, AAHC, Maint. Off., Community	Drywall Systems and Joint Compound	HA-12	20000 SF	F- Good condition	Joint Compound: < 1% Chrysotile Drywall: N
	AAHC Portion				
13-1 st Hall, 3 rd Hall, 5 th Hall, 116	2' x 2' Textured Pinhole Ceiling Tile	HA-13	10140 SF	F- Good condition	N
	Community Center, Lobby, MH Office, 1 st Floor Hall, 2 nd Floor Laundry, 2 nd Floor Hall- Ends, 3 rd Floor Hall- Ends, 4 th Floor Hall- Ends, 5 th Floor Hall- Ends, 6 th Floor Hall- All, 7 th Floor Hall, 116				
14-Library, Library 2, Lobby	12" x 12" Floor Tile with Red Splotch- Newer	HA-14	800 SF	NF- Good condition	N
	Lobby, 7 th Floor Library, Community Room				
15-1 st Fl. E. Hall-1,2,3	6" Red Baseboard	HA-15	100 LF	NF- Good condition	N
	1 st Floor East Hall				
16-Laundry- 1,2,3	12" x 12" Floor Tile- White with Tan Splotch	HA-16	940 SF	NF- Good condition	N
	Laundry- 2 nd Floor, Mechanical Room Office, Community Room				
17-Laundry- 1,2,3	4" Black Baseboard	HA-17	638 LF	NF- Good condition	N
	Laundry Room, 305, 501, 508, 504				
18-114, 307, 405	12" x 12" Floor Tile and Mastic- White with Blue	HA-18	9075 SF	NF- Good condition	Tile: N Mastic: Y- 4% Chrysotile
	110 Kitchen, 310 Kitchen, 201 Kitchen and Bathroom, 202 Kitchen and Bathroom, 205 Kitchen and Bathroom, 210 Kitchen, 214 Kitchen, 305 Kitchen and Bathroom, 309 Kitchen and Bathroom, 313 Kitchen, 314 Kitchen, 315 Kitchen and Bathroom, 401 Kitchen and Bathroom, 412 Kitchen and Bathroom, 416 Kitchen and Bathroom, 503 Kitchen and Bathroom, 505 Kitchen and Bathroom, 506 Kitchen and Bathroom, 509 Kitchen and Bathroom, 510 Kitchen and Bathroom, 514 Kitchen and Bathroom,				

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
	515 Kitchen, 517 Kitchen, 602 Kitchen and Bathroom, 606 Kitchen and Bathroom, 607 Kitchen and Bathroom, 609 Kitchen and Bathroom, 610 Kitchen and Bathroom, 612 Kitchen and Bathroom, 614 Kitchen and Bathroom, 616 Kitchen and Bathroom, 701 Kitchen and Bathroom, 702 Kitchen and Bathroom, 705 Kitchen and Bathroom, 708 Kitchen and Bathroom, 711 Kitchen and Bathroom, 714 Kitchen and Bathroom, 717 Kitchen and Bathroom, 114 Kitchen, 303 Kitchen, 207 Kitchen and Bathroom, 208-Kitchen and Bathroom, 215 Kitchen and Bathroom, 216 Kitchen and Bathroom, 301 Kitchen and Bathroom, 306 Kitchen and Bathroom, 307 Kitchen and Bathroom, 317 Kitchen and Bathroom, 402 Kitchen and Bathroom, 405 Kitchen and Bathroom, 407 Kitchen and Bathroom, 409 Kitchen and Bathroom, 410 Kitchen and Bathroom, 417 Kitchen and Bathroom, 512 Kitchen and Bathroom, 501 Kitchen and Bathroom, 507 Kitchen and Bathroom, 502 Kitchen and Bathroom, 604 Kitchen and Bathroom, 611 Kitchen and Bathroom, 615 Kitchen and Bathroom, 713 Kitchen and Bathroom, 706 Kitchen and Bathroom				
19-1 st Hall, 116, 2 nd Hall, 204, 3 rd Hall, 307, 4 th Hall, 405, 5 th Hall, 512, 6 th Hall, 605, 7 th Hall, 705	Drywall and Joint Compound 108, 110, 112, 113, 114, 116, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 301, 302, 303, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 401, 402, 403, 405, 406, 407, 408, 40, 408, 409, 410, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 513, 14, 515, 517, 601, 602, 603, 604, 605, 606, 607, 609, 610, 611, 612, 613, 614, 615, 617, 701, 702, 703, 704, 705, 706, 707, 708, 710, 712, 715, 716, 717, Halls	HA-19	125000 SF	F- Good condition	Joint Compound: 1 st Hall- 1.25%, 405- 2.25% Chrysotile Drywall: N

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
20-403, 110, 708	Carpet Glue	HA-20	23500 SF	NF- Good condition	N
	112, 110, 201, 202, 203, 205, 209, 210, 214, 302, 305, 308, 309, 310, 311, 312, 313, 314, 315, 406, 401, 408, 411, 412, 414, 415, 416, 503, 505, 506, 509, 510, 513, 514, 515, 517, 602, 605, 606, 607, 601, 609, 610, 612, 614, 616, 617, 701, 702, 705, 708, 710, 715, 716, 717, 114, 204, 207, 208, 211, 212, 213, 215, 216, 301, 303, 306, 307, 316, 317, 402, 403, 408, 407, 409, 410, 417, 512, 511, 508, 507, 502, 504, 604, 611, 615, 613, 713, 714, 710, 706, 707, 703, 704				
21-114, 115, 307	4" Grey Baseboard, Adhesive and Joint Compound	HA-21	6440 LF	NF- Good condition	Cove Base: N Adhesive: N Joint Compound: < 1% Chrysotile
	112, 201- Kitchen and Bathroom, 202, 206, 210, 305, 308, 311, 314, 315, 401, 408, 411- Kitchen, 412-Living Room, 414, 413, 416, 505, 506, 509, 510, 513, 514- Kitchen, 602- Kitchen and Bathroom, 607- Kitchen and Bathroom, 601- Kitchen and Bathroom, 609- Kitchen and Bathroom, 610, 612, 614, 617, 702, 705, 710, 715, 115, 114, 207, 208, 211, 212, 213, 215, 301, 307, 402, 407, 409, 410, 417, 613, 713, 712, 507, 607, 703, 704, AAHC Offices				
22-115, 303, 417	12" x 12" Floor Tile and Mastic- White with Splotch	HA-22	3970 SF	NF- Good condition	Tile: 7% Chrysotile Mastic: 15% Chrysotile
	112- Bathroom, 113- Bathroom, 110- Bathroom, 210- Bathroom, 209- Kitchen and Bathroom, 302-Kitchen and Bathroom, 310- Kitchen and Bathroom, 312- Kitchen and Bathroom, 406- Kitchen and Bathroom, 408- Kitchen and Bathroom, 411- Bathroom, 513- Bathroom, 605- Kitchen and Bathroom, 601- Kitchen and Bathroom, 114, 303, 316- Kitchen and Bathroom, 417- Bathroom,				

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
	603-Kitchen and Bathroom, 115, 116, 303, 715, 706, 707, 704				
23-116, 405, 601	4" Beige Baseboard	HA-23	1215 LF	NF- Good condition	N
	113-Kitchen, 110-Bedroom and Bathroom, 312-Bathroom, 313, 406, 412, 503, 510, 606, 601, 717, 116, 216, 405, 409, 511, 501, 504, Maint. Offices				
24-110-1	12" x 12" Floor Tile- White Block with Red Center Print	HA-24	110 SF	NF- Good condition	N
	110- Kitchen				
25-510, 201-1, 201-2	Textured Surface	HA-25	800 SF	NF- Good condition	N
	201 and 510				
26-114, 303, 407	4" Dark Blue Baseboard	HA-26	3270 LF	NF- Good condition	N
	201, 205, 210, 214, 310, 406, 411, 412, 503, 505, 509, 514, 515, 517, 602, 607, 609, 610, 616, 701, 702, 705, 710, 717, 114, 207, 208, 307, 306, 316, 407, 512, 507, 604, 611, 713, 707, 704				
27-114, 303, 512	Sink Glazing	HA-27	910 SF	NF- Good condition	5% Chrysotile
	201, 202, 203, 205, 206, 209, 210, 214, 302, 305, 308, 309, 310, 312, 313, 314, 315, 406, 401, 411, 408, 412, 414, 413, 416, 503, 505, 506, 509, 510, 513, 514, 515, 602, 605, 606, 607, 601, 609, 610, 612, 614, 616, 617, 701, 702, 705, 708, 710, 715, 716, 717, 114, 204, 207, 208, 211, 212, 213, 215, 216, 301, 303, 306, 307, 316, 317, 402, 403, 407, 409, 410, 417, 603, 512, 511, 501, 508, 507, 502, 504, 604, 611, 613, 713, 712, 710, 706, 707, 703, 704				
28-212,617,401	Linoleum White 12" x 12" Block	HA-28	1400 SF	NF- Good condition	N
	203- Kitchen and Bathroom, 206- Kitchen and Bathroom, 308- Kitchen and Bathroom, 401- Kitchen and Bathroom, 414- Kitchen and Bathroom, 617- Kitchen and Bathroom, 212- Kitchen and Bathroom, 213- Kitchen and Bathroom				
29-205-1	4" Maroon Baseboard	HA-29	120 LF	NF- Good condition	N
	205				
30-Roof-1	Brown Shingles	HA-30	400 SF	NF- Good condition	N
	Porch				
31-403,	Grey Cement Caulk	HA-31	2000 LF	NF- Good	4%

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
Library, 108	Exterior Porches and Expansion Joints			condition	Chrysotile
32-403, Library, 108	Yellow Caulk Exterior around Door Walls	HA-32	2525 LF	NF- Good condition	N
33-314-1	12" x 12" Floor Tile- Marble Print 314- Bathroom	HA-33	50 SF	NF- Good condition	N
34-114, 204, 716	12" x 12" Floor Tile- Sepia Splotch Office by Kitchen	HA-34	650 SF	NF- Good condition	N
35-OFF-1,2,3	2' x 4' Pinhole Fissured Ceiling Tile Office by Kitchen	HA-35	400 SF	F- Good condition	8% Amosite
36-505-1	12" x 12" Floor Tile- Black Marble 504-Kitchen, 505-Kitchen	HA-36	240 SF	NF- Good condition	N
37-506-1,2	12" x 12" Floor Tile- Peach with White and Black Splotch 506 Bathroom	HA-37	40 SF	NF- Good condition	N
38-303, 701	4" Light Blue Baseboard 701- Kitchen, 303	HA-38	200 SF	NF- Good condition	N
39-108, 405, 701	Door Caulk Around All Interior Doors	HA-39	2000 LF	NF- Good condition	N
40-116-1,2,3	2' x 4' Pinhole Gash Ceiling Tile 116	HA-40	400 SF	NF- Good condition	N
41-E Hall-1,2,3	12" x 12" Floor Tile- White with Black Splotch 1 st Floor East Hall	HA-41	200 SF	NF- Good condition	Tile: N Mastic: < 1% Chrysotile
42-115-1	12" x 12" Floor Tile- White Splotch 115	HA-42	80 SF	NF- Good condition	Tile: N Adhesive: < 1% Chrysotile
43-BR, 1 st Hall, TR	Pipe Insulation- 12" Elbows Boiler Room, 1 st Floor East Hallway and Trash Room	HA-43	1000 LF	F- Good condition	N
44-BR, Storage, 1 st Hall	Pipe Insulation- 4" Fittings Boiler Room, Storage Rooms and 1 st Floor Hall	HA-44	2000 LF	F- Good condition	N
45-BR, TR, 1 st Hall	Pipe Insulation- 6" Fittings Boiler Room, Trash Room, 1 st Floor Hallway and Throughout	HA-45	2000 LF	F- Good condition	N
46-114, TR, BR	Cement Outside Facade Exterior	HA-46	000 SF	NF- Good condition	N
47-114, TR, BR	Under Layer of Porch Under Porches	HA-47	000 SF	NF- Good condition	N

Sample Number	Material Description and General Location	Homogeneous Area	Quantity*	Friable(F)/Non Friable(NF) and Condition	Asbestos Present (Y/N)- % Type
48-308-1	Dark Splotch Floor Tile 308	HA-48	50 SF	NF- Good condition	N
49-613-1	12" x 12" Floor Tile- Green Marble 613- Kitchen	HA-49	150 SF	NF- Good condition	N
50-613-1	12" x 12" Floor Tile- White with Red Pattern 613- Bathroom	HA-50	400 SF	NF- Good condition	N
51-710-1	12" x 12" Floor Tile- Painted 710	HA-51	400 SF	NF- Good condition	N
52-710-1,2,3	Textured Walls 710	HA-52	800 SF	NF- Good condition	< 1% Chrysotile

*Quantities are estimated

The laboratory Certificates of Analysis and Chain of Custodies are located in Appendix B for further review.

The friable and non-friable classification in the table describes how easily the material can be broken apart. A friable material is a material that can be crushed/ pulverized by human pressure. A non-friable material is a material that cannot be crushed/ pulverized by human pressure. The condition is a classification of the physical state that the material is in at the time of the sampling. There are three physical condition assessments that are applied to the condition of the material: good condition, damaged condition, and severely damaged condition. A material in good condition has no visible damage or deterioration. A material in a damaged condition has damage or deterioration on less than ten percent of the surface. A material that is severely damaged has damage or deterioration on ten percent or more of the surface area.

On June 25th, 2013 AAHC requested that we re-sample all of the joint compounds to determine if any patterns exist or if any areas can be deemed non asbestos containing. AEC sampled the 2nd and 5th floors upon request of AAHC to determine if the rest of the building was worth sampling. The following table contains the samples that were collected. AAHC cancelled further analysis because the material was found to be positive in most samples.

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
1-2 nd Fl.	Joint compound-Hallway at Room 204	1.25% Chrysotile

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
2- 2 nd Fl.	Joint compound-Hallway at Room 214	1.50% Chrysotile
3- 2 nd Fl.	Joint compound-Hallway Near Laundry Room	1.25% Chrysotile
5-2 nd Fl.	Joint compound-Hallway Near Apt. 203	1.25% Chrysotile
6- 2 nd Fl.	Joint compound-Hallway Near Apt. 205	1.25% Chrysotile
7-2 nd Fl.	Joint compound-Hallway Near Exit	N
8-201	Joint compound-Kitchen	N
9-201	Joint compound-Living Room	N
10-201	Joint compound-Bedroom	N
11-201	Joint compound-Bedroom	N
12-201	Joint compound-Living Room	N
13-202	Joint compound-Kitchen	1.75% Chrysotile
14-202	Joint compound-Living Room	N
15-202	Joint compound-Living Room	N
16-202	Joint compound-Bedroom	N
17-202	Joint compound-Bedroom	N
18-205	Joint compound-Living Room	N
19-205	Joint compound-Living Room	1.25% Chrysotile
20-205	Joint compound-Bedroom	N
21-205	Joint compound-Bedroom	N
22-205	Joint compound-Kitchen	N
23-206	Joint compound-Kitchen	N

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
24-206	Joint compound-Living Room	N
25-206	Joint compound-Bedroom	1.50% Chrysotile
26-206	Joint compound-Bedroom	Not Analyzed
27-206	Joint compound-Bathroom	Not Analyzed
28-210	Joint compound-Kitchen	Not Analyzed
29-210	Joint compound-Living Room	Not Analyzed
30-210	Joint compound-Living Room	Not Analyzed
31-210	Joint compound-Bedroom	Not Analyzed
32-210	Joint compound-Bathroom	Not Analyzed
33-211	Joint compound-Kitchen	Not Analyzed
34-211	Joint compound-Living Room	Not Analyzed
35-211	Joint compound-Living Room	Not Analyzed
36-211	Joint compound-Bedroom	Not Analyzed
37-211	Joint compound-Bathroom	Not Analyzed
38-214	Joint compound-Kitchen	Not Analyzed
39-214	Joint compound-Living Room	Not Analyzed
40-214	Joint compound-Living Room	Not Analyzed
41-214	Joint compound-Bedroom	Not Analyzed
42-214	Joint compound-Bathroom	Not Analyzed
43-216	Joint compound-Kitchen	Not Analyzed

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
44-216	Joint compound-Living Room	Not Analyzed
45-216	Joint compound-Living Room	Not Analyzed
46-216	Joint compound-Bedroom	Not Analyzed
47-216	Joint compound-Bathroom	Not Analyzed
48-2 nd Fl.	Joint compound- Laundry Room	Not Analyzed
49-2 nd Fl.	Joint compound-Laundry Room	Not Analyzed
50-2 nd Fl.	Joint compound-Laundry	Not Analyzed
51-203	Joint compound-Living Room	Y-1.75% Chrysotile
52-203	Joint compound-Living Room	Not Analyzed
53-203	Joint compound-Kitchen	Not Analyzed
54-203	Joint compound-Bedroom	Not Analyzed
55-203	Joint compound-Bathroom	Not Analyzed
56-204	Joint compound-Kitchen	Not Analyzed
57-204	Joint compound-Bedroom	Not Analyzed
58-204	Joint compound-Bathroom	Not Analyzed
59-204	Joint compound-Living Room	Not Analyzed
60-204	Joint compound-Living Room	Not Analyzed
61-207	Joint compound-Kitchen	Not Analyzed
62-207	Joint compound-Living Room	Not Analyzed
63-207	Joint compound-Living Room	Not Analyzed

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
64-207	Joint compound-Bedroom	Not Analyzed
65-207	Joint compound-Bathroom	Not Analyzed
66-208	Joint compound-Kitchen	Not Analyzed
67-208	Joint compound-Living Room	Not Analyzed
68-208	Joint compound-Living Room	Not Analyzed
69-208	Joint compound-Bedroom	Not Analyzed
70-208	Joint compound-Bathroom	Not Analyzed
71-209	Joint compound-Kitchen	Not Analyzed
72-209	Joint compound-Living Room	Not Analyzed
73-209	Joint compound-Living Room	Not Analyzed
74-209	Joint compound-Bedroom	Not Analyzed
75-209	Joint compound-Bathroom	Not Analyzed
76-212	Joint compound-Kitchen	Not Analyzed
77-212	Joint compound-Living Room	Not Analyzed
78-212	Joint compound-Bedroom	Not Analyzed
79-212	Joint compound-Living Room	Not Analyzed
80-212	Joint compound-Bathroom	Not Analyzed
81-212	Joint compound-Kitchen	Not Analyzed
82-213	Joint compound-Living Room	Not Analyzed
83-213	Joint compound-Living Room	Not Analyzed

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
84-213	Joint compound-Bedroom	Not Analyzed
85-213	Joint compound-Bathroom	Not Analyzed
86	Joint compound-5 th Floor- Hallway Between Apts. 514 & 515	Y-1.50% Chrysotile
87	Joint compound-5 th Floor- Hallway Near Exit	Y-1.25% Chrysotile
88	Joint compound-5 th Floor- Hallway North Wall	N-0.75% Chrysotile
89	Joint compound-5 th Floor- Hallway Near Elevators	Y-1.50% Chrysotile
90-	Joint compound-5 th Floor- Hallway Near Apt. 503	N
91	Joint compound-5 th Floor- Hallway Near Apt. 505	Y-1.25% Chrysotile
92	Joint compound-5 th Floor- Hallway Near Apt. 504	Y-1.50% Chrysotile
93	Joint compound-Apt.501- Kitchen	Y-1.50% Chrysotile
94	Joint compound-Apt.501- Living Room	N-0.50% Chrysotile
95	Joint compound-Apt.501- Living Room	Y-1.25% Chrysotile
96	Joint compound-Apt. 501- Bedroom	Y-1.50% Chrysotile
97	Joint compound-Apt.501- Bathroom	N
98	Joint compound-Apt. 502- Kitchen	Y-1.50% Chrysotile
99	Joint compound-Apt. 502- Living Room	Y-1.75% Chrysotile
100	Joint compound-Apt. 502- Living Room	N-0.75% Chrysotile
101	Joint compound-Apt. 502- Bedroom	N
102	Joint compound-Apt. 502- Bathroom	Y-1.25% Chrysotile
103	Joint compound-Apt. 502- Kitchen	N

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
104	Joint compound-Apt. 503- Living Room	N-0.75% Chrysotile
105	Joint compound-Apt. 503- Living Room	Y-1.25% Chrysotile
106	Joint compound-Apt. 503- Bedroom	Not Analyzed
107	Joint compound-Apt. 503- Bathroom	Not Analyzed
108	Joint compound-Apt. 504- Kitchen	Not Analyzed
109	Joint compound-Apt. 504- Living Room	Not Analyzed
110	Joint compound-Apt. 504- Living Room	Not Analyzed
111	Joint compound-Apt. 504- Bedroom	Not Analyzed
112	Joint compound-Apt. 504- Bathroom	Not Analyzed
113	Joint compound-Apt. 505- Kitchen	Not Analyzed
114	Joint compound-Apt. 505- Living Room	Not Analyzed
115	Joint compound-Apt. 505- Living Room	Not Analyzed
116	Joint compound-Apt. 505- Bedroom	Not Analyzed
117	Joint compound-Apt. 505- Bathroom	Not Analyzed
118	Joint compound-Apt. 508- Kitchen	Not Analyzed
119	Joint compound-Apt. 508- Living Room	Not Analyzed
120	Joint compound-Apt. 508- Living Room	Not Analyzed
121	Joint compound-Apt. 508- Bedroom	Not Analyzed

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
122	Joint compound-Apt. 508-Bathroom	Not Analyzed
123	Joint compound-Apt. 509-Kitchen	Not Analyzed
124	Joint compound-Apt. 509-Living Room	Not Analyzed
125	Joint compound-Apt. 509-Living Room	Not Analyzed
126	Joint compound-Apt. 509-Bedroom	Not Analyzed
127	Joint compound-Apt. 509-Bathroom	Not Analyzed
128	Joint compound-Apt. 510-Kitchen	Not Analyzed
129	Joint compound-Apt. 510-Living Room	Not Analyzed
130	Joint compound-Apt. 510-Living Room	Not Analyzed
131	Joint compound-Apt. 510-Bedroom	Not Analyzed
132	Joint compound-Apt. 510-Bathroom	Not Analyzed
133	Joint compound-Apt. 511-Kitchen	Not Analyzed
134	Joint compound-Apt. 511-Living Room	Not Analyzed
135	Joint compound-Apt. 511-Living Room	Not Analyzed
136	Joint compound-Apt. 511-Bedroom	Not Analyzed
137	Joint compound-Apt. 511-Bathroom	Not Analyzed
138	Joint compound- Apt. 512-Kitchen	Not Analyzed
139	Joint compound-Apt. 512-Living Room	Not Analyzed

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
140	Joint compound-Apt. 512-Living Room	Not Analyzed
141	Joint compound-Apt. 512-Bedroom	Not Analyzed
142	Joint compound-Apt. 512-Bathroom	Not Analyzed
143	Joint compound-Apt. 513-Kitchen	Not Analyzed
144	Joint compound-Apt. 513-Living Room	Not Analyzed
145	Joint compound-Apt. 513-Living Room	Not Analyzed
146	Joint compound-Apt. 513-Bedroom	Not Analyzed
147	Joint compound-Apt. 513-Bathroom	Not Analyzed
148	Joint compound-Apt. 514-Kitchen	Not Analyzed
149	Joint compound-Apt. 514-Living Room	Not Analyzed
150	Joint compound-Apt. 514-Living Room	Not Analyzed
151	Joint compound-Apt. 514-Bedroom	Not Analyzed
152	Joint compound-Apt. 514-Bathroom	Not Analyzed
153	Joint compound-Apt. 515-Kitchen	Not Analyzed
154	Joint compound-Apt. 515-Living Room	Not Analyzed
155	Joint compound-Apt. 515-Living Room	Not Analyzed
156	Joint compound-Apt. 515-Hallway	Not Analyzed
157	Joint compound-Apt. 515-Bathroom	Not Analyzed

Sample Number	Material Description and General Location	Asbestos Present (Y/N)- % Type
158	Joint compound-Apt. 516-Kitchen	Not Analyzed
159	Joint compound-Apt. 516-Living Room	Not Analyzed
160	Joint compound-Apt. 516-Living Room	Not Analyzed
161	Joint compound-Apt. 516-Bedroom	Not Analyzed
162	Joint compound-Apt. 516-Bathroom	Not Analyzed
163	Joint compound-Apt. 507-Kitchen	Not Analyzed
164	Joint compound-Apt. 507-Living Room	Not Analyzed
165	Joint compound-Apt. 507-Living Room	Not Analyzed
166	Joint compound-Apt. 507-Bedroom	Not Analyzed
167	Joint compound-Apt. 507-Bathroom	Not Analyzed

Asbestos Containing Materials

The following table describes the ACM that was identified as a result of the sampling.

**Table 2
727 Miller Ave., Ann Arbor, MI
Asbestos Containing Materials**

Asbestos Containing Material	Locations	Quantity*
The mastic under the 12" x 12" White with Blue Floor Tile	110 Kitchen, 310 Kitchen, 201 Kitchen and Bathroom, 202 Kitchen and Bathroom, 205 Kitchen and Bathroom, 210 Kitchen, 214 Kitchen, 305 Kitchen and Bathroom, 309 Kitchen and Bathroom,	9075 SF

Asbestos Containing Material	Locations	Quantity*
	313 Kitchen, 314 Kitchen, 315 Kitchen and Bathroom, 401 Kitchen and Bathroom, 412 Kitchen and Bathroom, 416 Kitchen and Bathroom, 503 Kitchen and Bathroom, 505 Kitchen and Bathroom, 506 Kitchen and Bathroom, 509 Kitchen and Bathroom, 510 Kitchen and Bathroom, 514 Kitchen and Bathroom, 515 Kitchen, 517 Kitchen, 602 Kitchen and Bathroom, 606 Kitchen and Bathroom, 607 Kitchen and Bathroom, 609 Kitchen and Bathroom, 610 Kitchen and Bathroom , 612 Kitchen and Bathroom, 614 Kitchen and Bathroom, 616 Kitchen and Bathroom, 701 Kitchen and Bathroom, 702 Kitchen and Bathroom, 705 Kitchen and Bathroom, 708 Kitchen and Bathroom, 711 Kitchen and Bathroom, 714 Kitchen and Bathroom, 717 Kitchen and Bathroom, 114 Kitchen, 303 Kitchen, 207 Kitchen and Bathroom, 208- Kitchen and Bathroom, 215 Kitchen and Bathroom, 216 Kitchen and Bathroom, 301 Kitchen and Bathroom, 306 Kitchen and Bathroom, 307 Kitchen and Bathroom, 317 Kitchen and Bathroom, 402 Kitchen and Bathroom, 405 Kitchen and Bathroom, 407 Kitchen and Bathroom, 409 Kitchen and Bathroom, 410 Kitchen and Bathroom, 417 Kitchen and Bathroom, 512 Kitchen and Bathroom, 501 Kitchen and Bathroom, 507 Kitchen and Bathroom, 502 Kitchen and Bathroom,	

Asbestos Containing Material	Locations	Quantity*
	604 Kitchen and Bathroom, 611 Kitchen and Bathroom, 615 Kitchen and Bathroom, 713 Kitchen and Bathroom, 706 Kitchen and Bathroom	
Joint Compound	Throughout	125000 SF
12" x 12" Floor Tile and Mastic- White with Spotch	112- Bathroom, 113- Bathroom, 110- Bathroom, 210- Bathroom, 209- Kitchen and Bathroom, 302-Kitchen and Bathroom, 310- Kitchen and Bathroom, 312- Kitchen and Bathroom, 406- Kitchen and Bathroom, 408- Kitchen and Bathroom, 411- Bathroom, 513- Bathroom, 605- Kitchen and Bathroom, 601- Kitchen and Bathroom, 114, 303, 316- Kitchen and Bathroom, 417- Bathroom, 603-Kitchen and Bathroom, 115, 116, 303, 715, 706, 707, 704	3970 SF
Sink Glazing	201, 202, 203, 205, 206, 209, 210, 214, 302, 305, 308, 309, 310, 312, 313, 314, 315, 406, 401, 411, 408, 412, 414, 413, 416, 503, 505, 506, 509, 510, 513, 514, 515, 602, 605, 606, 607, 601, 609, 610, 612, 614, 616, 617, 701, 702, 705, 708, 710, 715, 716, 717, 114, 204, 207, 208, 211, 212, 213, 215, 216, 301, 303, 306, 307, 316, 317, 402, 403, 407, 409, 410, 417, 603, 512, 511, 501, 508, 507, 502, 504, 604, 611, 613, 713, 712, 710, 706, 707, 703, 704	910 SF

Asbestos Containing Material	Locations	Quantity*
Grey Cement Caulk	Exterior Porches and Expansion Joints	2000 LF
2' x 4' Pinhole Fissured Ceiling Tile	Office by Kitchen	400 SF
Roofing Material	Exterior	20,000 SF

*Quantities are estimated

The joint compound throughout the property, the mastic under the 12"x 12" white with blue floor tile in most of the kitchens and bathrooms throughout the property, the 12"x 12" white with splotch floor tile and mastic in kitchens and bathrooms, the sink glazing throughout property, the grey cement caulk on exterior porches and expansion joints and also the 2'x 4' pinhole fissured ceiling tile in the office near the kitchen were found to contain asbestos and are deemed an asbestos containing material.

Removal Options, Recommendations

Floor Tile

If the flooring is to be disturbed, it must be by a licensed asbestos contractor utilizing approved fiber release controls with properly trained personnel. The flooring must be handled as ACM waste and sent to an appropriate landfill.

Mastic

If the mastic is disturbed during renovation activities then, mastic shall be removed in a properly constructed negative pressure containment with personnel wearing proper PPE.

Joint Compound

If the joint compound is disturbed during renovation activities then, joint compound shall be removed in properly constructed negative pressure containment with personnel wearing proper PPE.

Cement Caulk

If the cement caulk is disturbed during renovation activities then, cement caulk shall be removed intact with wetting, drop cloths with personnel wearing proper PPE.

Floor Tile

If the floor tile is disturbed during renovation activities then, floor tile shall be removed in properly constructed negative pressure containment with personnel wearing proper PPE.

Roof Flashing

If the roof flashing is disturbed during renovation activities then, roof flashing shall be removed intact with wetting, drop cloths with personnel wearing proper PPE.

Sink Glazing

Sink Glaze

If the sink glaze is disturbed during renovation activities then, sink glaze shall be removed in properly constructed negative pressure containment with personnel wearing proper PPE. However, if the entire component is removed with the sink glaze intact, the component may be removed, double wrapped, tagged and disposed of accordingly.

Conclusion

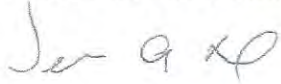
Asbestos containing materials were identified at the subject property and will require special handling and disposal if disturbed during rehabilitation activities. The joint compound throughout the property, the mastic under the 12"x 12" white with blue floor tile in most of the kitchens and bathrooms throughout the property, the 12"x 12" white with splotch floor tile and mastic in kitchens and bathrooms, the sink glazing throughout property, the grey cement caulk on exterior porches and expansion joints, the 2'x 4' pinhole fissured ceiling tile in the office near the kitchen and the roofing materials were found to contain asbestos. Proper precautions and abatement must be used if disturbed.

Limitations

The information and opinions obtained in this report are for the exclusive use of AEC's Client. No distribution to or reliance by other parties may occur without the express written permission of AEC. AEC will not distribute this report without your written consent or as required by law or Court order. The information and opinions that are contained in this report are given in light

AEC appreciates the opportunity to be of service to your organization and looks forward to working with you on future projects. If you have any questions regarding this report please feel free to contact us at our office at 313-491-2600.

Sincerely,
American Environmental Consultants, LLC



Jeffrey A. Fox
Project Manager

Appendix A Site Maps

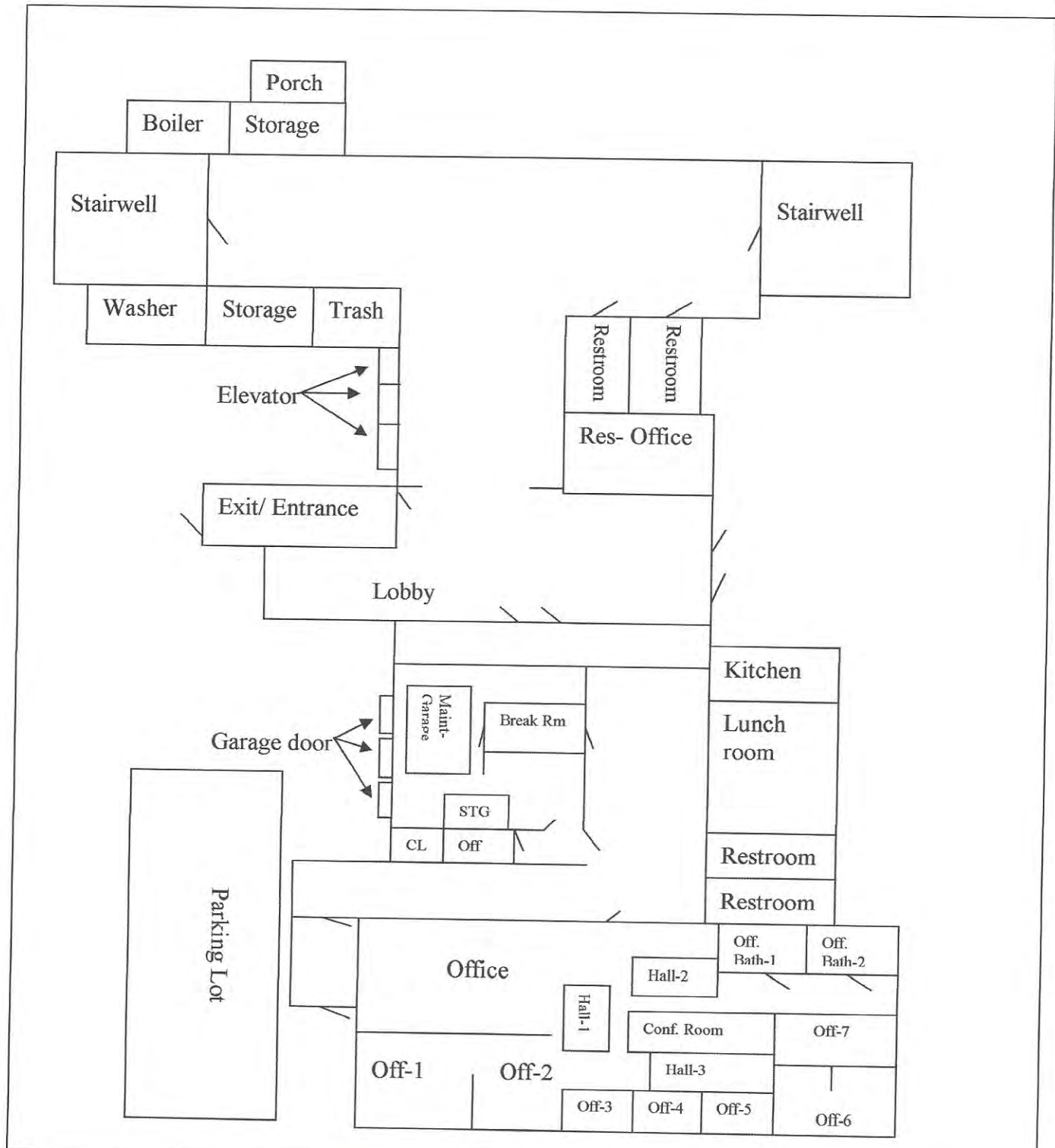

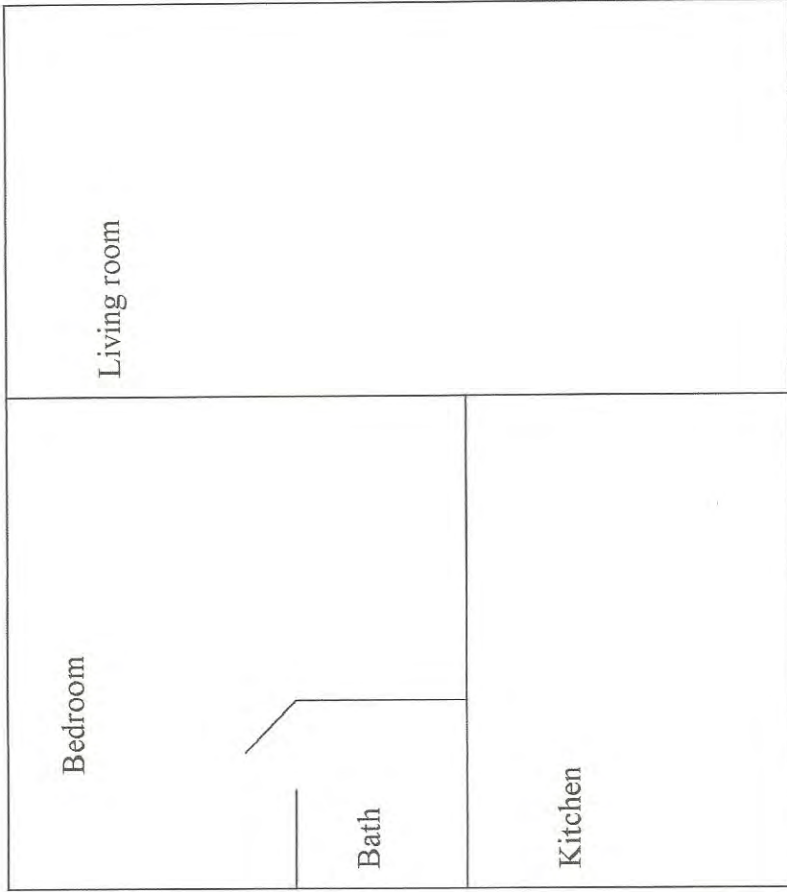


Figure #: 6	 AMERICAN ENVIRONMENTAL CONSULTANTS, L.L.C.	12838 Gavel, Detroit, MI 48227	Project Number: 1359-13005
Drawn by: Matthew Rodgers	Map Description: Miller Manor 1 st floor		Date: 4/24/13



NOT TO
SCALE



12838 Gavel, Detroit, MI 48227
Ph: 313-491-2600 Fax: 313-491-2601

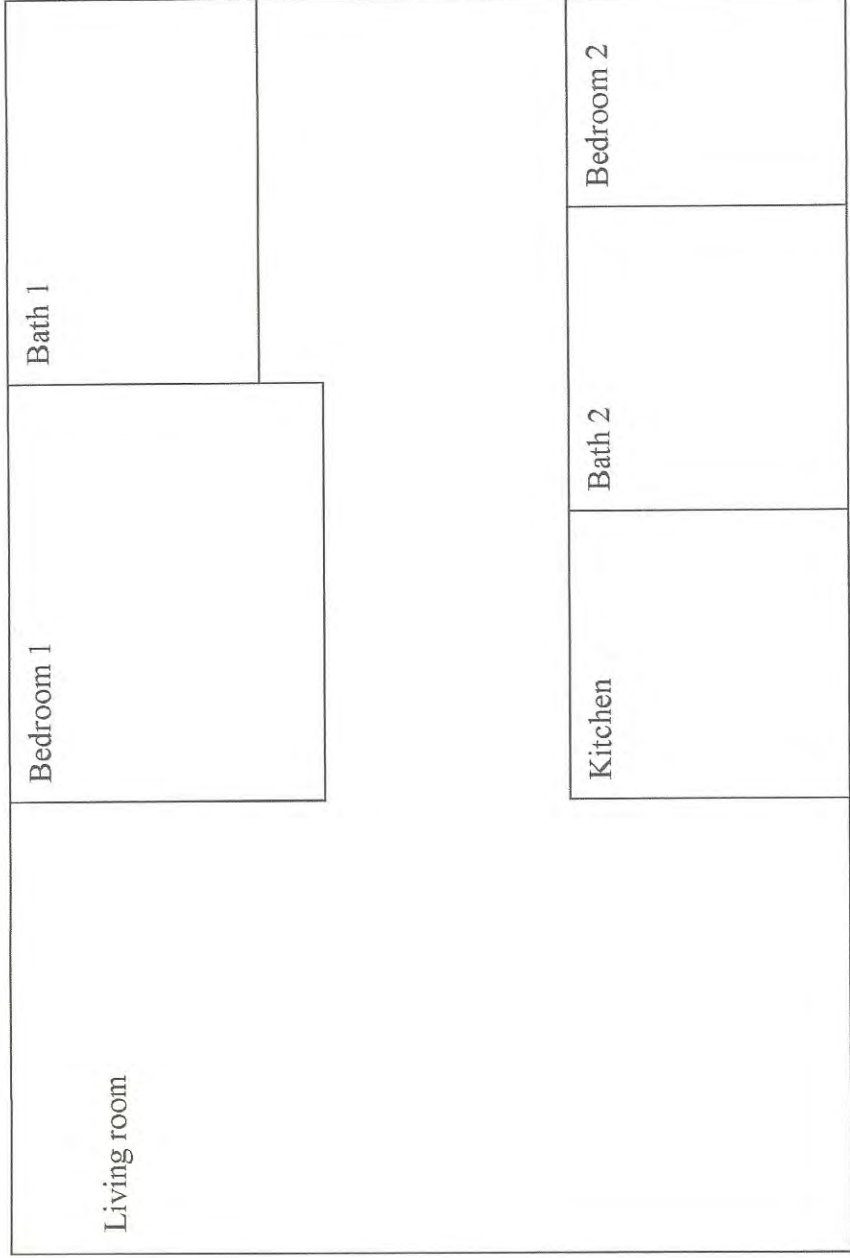
FIGURE #: 1

PROJECT NO: 1459-13005

DRAWN BY: Matthew Rodgers

MAP DESCRIPTION: Miller Manor Typical 1 bedroom unit

DATE: 4/24/13



NOT TO
SCALE



12838 Gavel, Detroit, MI 48227
Ph: 313-491-2600 Fax: 313-491-2601

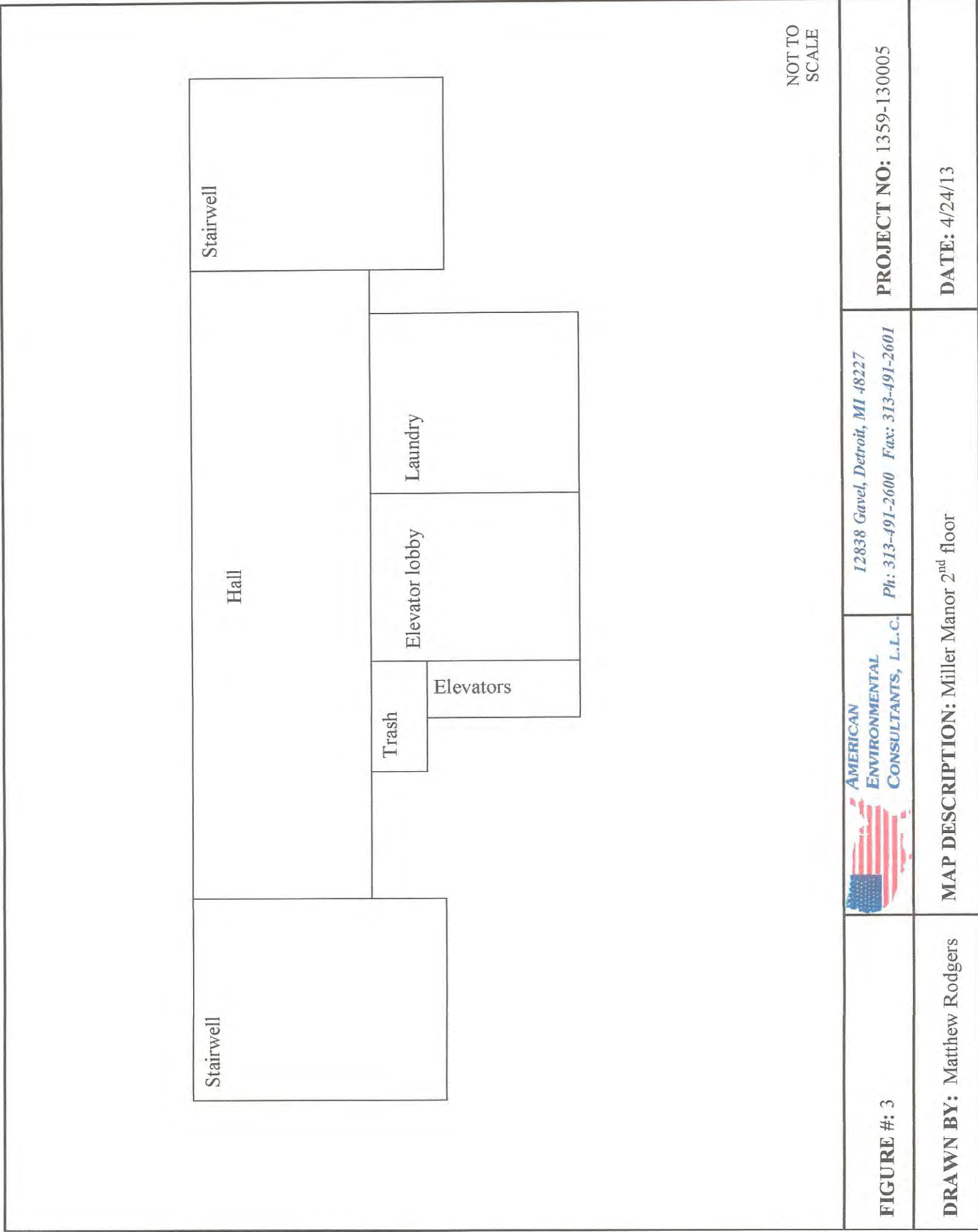
PROJECT NO: 1459-13005

FIGURE #: 2


DRAWN BY: Matthew Rodgers

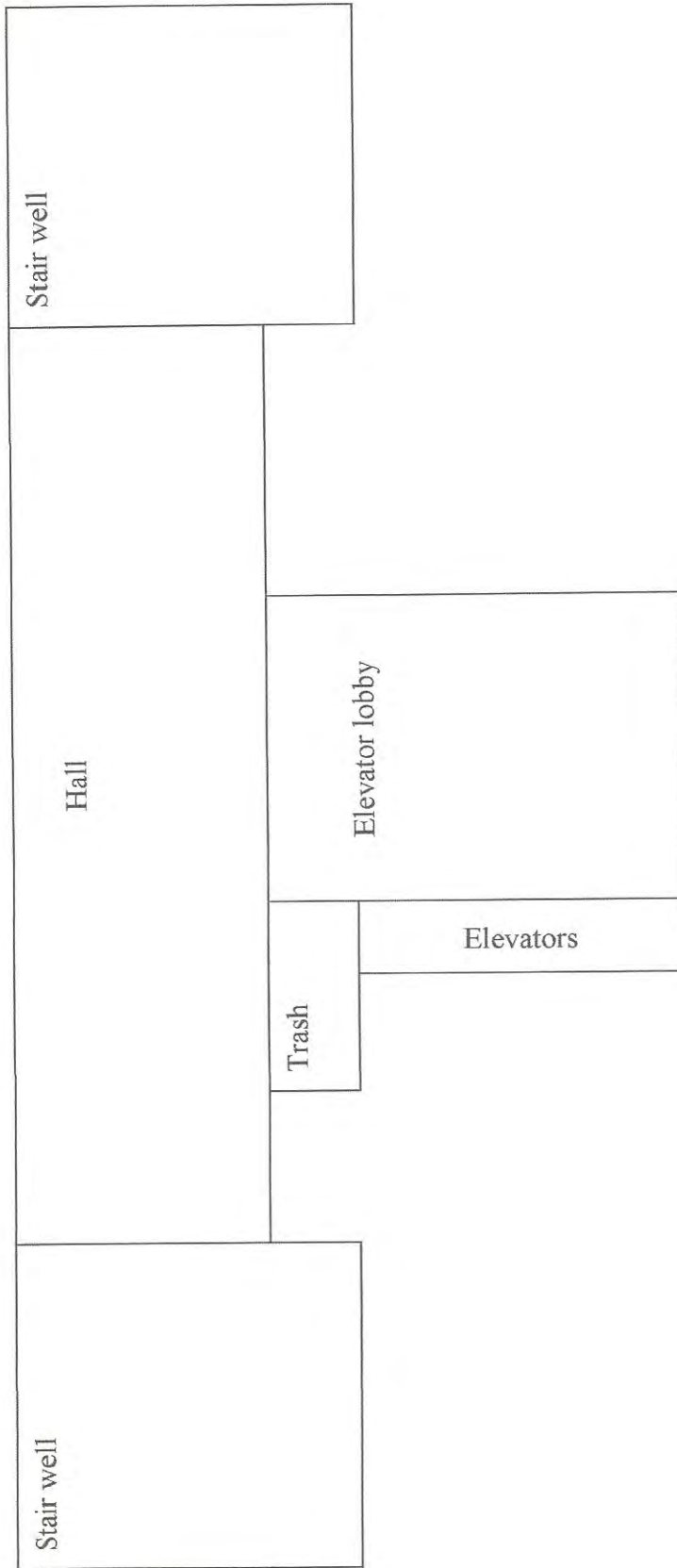
MAP DESCRIPTION: Miller Manor typical 2 bedroom unit

DATE: 4/24/13



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<p>FIGURE #: 3</p>	 <p>AMERICAN ENVIRONMENTAL CONSULTANTS, L.L.C.</p>	<p>12838 Gavel, Detroit, MI 48227 Ph: 313-491-2600 Fax: 313-491-2601</p>	<p>PROJECT NO: 1359-130005</p>
<p>DRAWN BY: Matthew Rodgers</p>	<p>MAP DESCRIPTION: Miller Manor 2nd floor</p>		<p>DATE: 4/24/13</p>



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12838 Gavel, Detroit, MI 48227
Ph: 313-491-2600 Fax: 313-491-2601

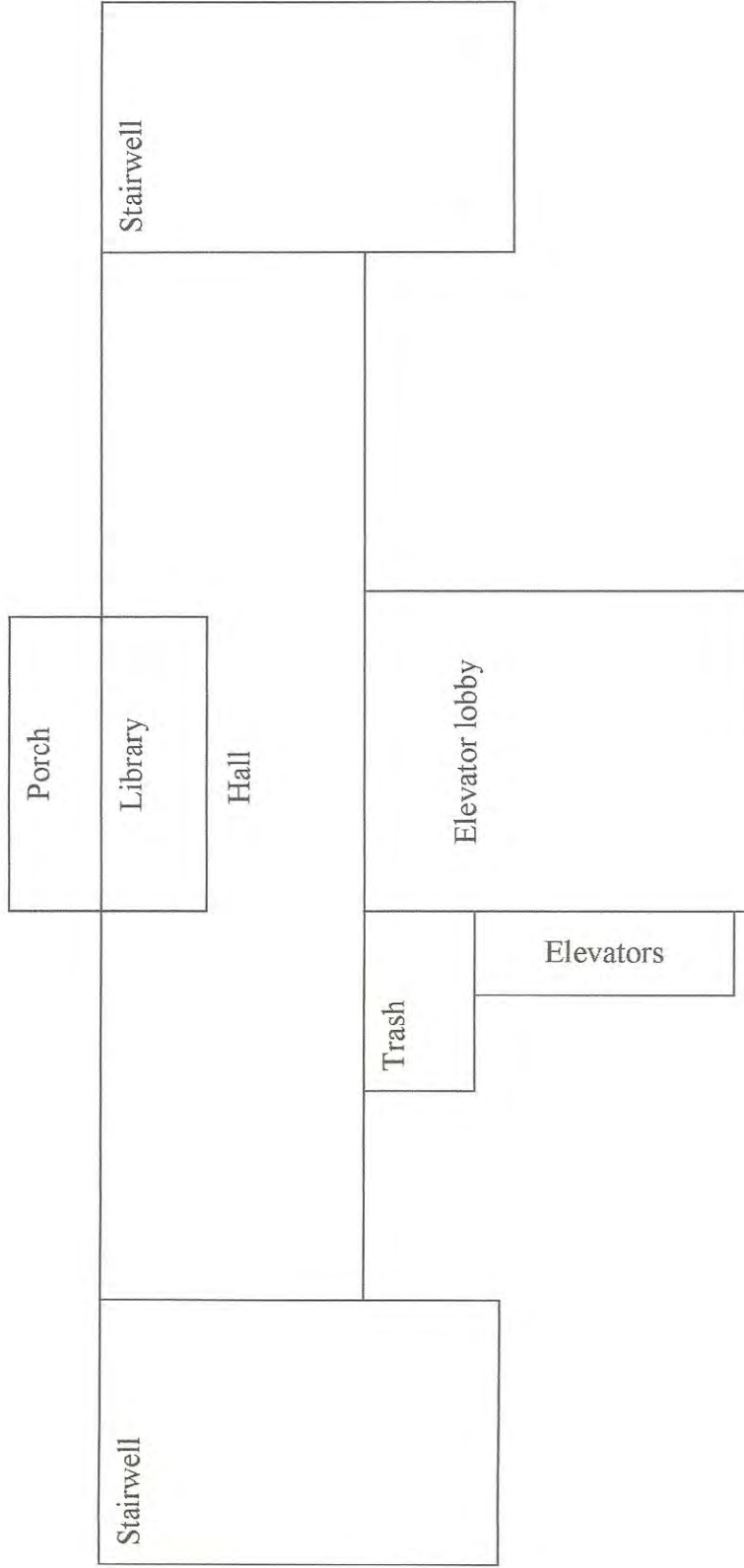
PROJECT NO: 1459-13005

FIGURE #: 4


DRAWN BY: Matthew Rodgers

MAP DESCRIPTION: Miller Manor floors 3-6

DATE: 4/24/13



NOT TO
SCALE

<p>FIGURE #: 5</p>	 <p>AMERICAN ENVIRONMENTAL CONSULTANTS, L.L.C.</p>	<p>12838 Gavel, Detroit, MI 48227 Ph: 313-491-2600 Fax: 313-491-2601</p>	<p>PROJECT NO: 1359-13005</p>
<p>DRAWN BY: Matthew Rodgers</p>	<p>MAP DESCRIPTION: Miller Manor Floor 7</p>		<p>DATE: 4/24/13</p>

Appendix B Certificates of Analysis

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103
 Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order:	081301694
CustomerID:	AECL77
CustomerPO:	
ProjectID:	Miller Manor

Attn: Jef Fox American Environmental Consultants P.O. Box 32865 12838 Gavel Detroit, MI 48227	Phone: (313) 491-2600 Fax: (313) 491-2601 Received: 06/25/13 4:20 PM Analysis Date: 6/27/2013 Collected:
Project: Miller Manor	

**Test Report: Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116
and/or EPA 600/M4-82-020. Quantitation using 400 Point Count Procedure**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 - 2nd Flr Hall W <small>081301694-0001</small>	Joint Compound	Gray/White Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile
2 - 2nd Flr Hall W <small>081301694-0002</small>	Joint Compound	White Fibrous Homogeneous		98.50% Non-fibrous (other)	1.50% Chrysotile
3 - 2nd Flr Hall W <small>081301694-0003</small>	Joint Compound	White Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile
5 - 2nd Flr Hall E <small>081301694-0005</small>	Joint Compound	White Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile
6 - 2nd Flr Hall E <small>081301694-0006</small>	Joint Compound	White Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile
7 - 2nd Flr Hall <small>081301694-0007</small>	Joint Compound	White Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
8 - 201 <small>081301694-0008</small>	Joint Compound	White Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile

Analyst(s) _____
 Orlando J. Ivey II (24)
 Ryan Shannon (1)

Chris Dojliko, Laboratory Manager
 or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.
 Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI

Initial report from 06/27/2013 16:20:03

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103
 Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order:	081301694
CustomerID:	AECL77
CustomerPO:	
ProjectID:	Miller Manor

Attn: Jef Fox American Environmental Consultants P.O. Box 32865 12838 Gavel Detroit, MI 48227	Phone: (313) 491-2600 Fax: (313) 491-2601 Received: 06/25/13 4:20 PM Analysis Date: 6/27/2013 Collected:
Project: Miller Manor	

**Test Report: Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116
and/or EPA 600/M4-82-020. Quantitation using 400 Point Count Procedure**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
9 - 201 <i>081301694-0009</i>	Joint Compound	White Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
10 - 201 <i>081301694-0010</i>	Joint Compound	White Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
11 - 201 <i>081301694-0011</i>	Joint Compound	White Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
12 - 201 <i>081301694-0012</i>	Joint Compound	Gray/White Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
13 - 202 <i>081301694-0013</i>	Joint Compound	Gray/White Fibrous Homogeneous		98.25% Non-fibrous (other)	1.75% Chrysotile
14 - 202 <i>081301694-0014</i>	Joint Compound	White Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
15 - 202 <i>081301694-0015</i>	Joint Compound	White Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile

Analyst(s) _____
 Orlando J. Ivey II (24)
 Ryan Shannon (1)

Chris Dojlidko, Laboratory Manager
 or other approved signatory

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EMSL Order:	081301694
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Project: Miller Manor	

**Test Report: Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116
and/or EPA 600/M4-82-020. Quantitation using 400 Point Count Procedure**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
16 - 202 081301694-0016	Joint Compound	Gray/White Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
17 - 202 081301694-0017	Joint Compound	White Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
18 - 205 081301694-0018	Joint Compound	White Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
19 - 205 081301694-0019	Joint Compound	White Non-Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile
20 - 205 081301694-0020	Joint Compound	White Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
21 - 205 081301694-0021	Joint Compound	Gray/White Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
22 - 205 081301694-0022	Joint Compound	White Fibrous Homogeneous		99.75% Non-fibrous (other)	0.25% Chrysotile

Analyst(s) _____
 Orlando J. Ivey II (24)
 Ryan Shannon (1)

Chris Dojliko, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI

Initial report from 06/27/2013 16:20:03

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CustomerID:	AECL77
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ProjectID:	Miller Manor

Attn: Jef Fox American Environmental Consultants P.O. Box 32865 12838 Gavel Detroit, MI 48227	Phone: (313) 491-2600 Fax: (313) 491-2601 Received: 06/25/13 4:20 PM Analysis Date: 6/27/2013 Collected:
Project: Miller Manor	

**Test Report: Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116
 and/or EPA 600/M4-82-020. Quantitation using 400 Point Count Procedure**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
23 - 206 <i>081301694-0023</i>	Joint Compound	Gray/White Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
24 - 206 <i>081301694-0024</i>	Joint Compound	White Non-Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
25 - 206 <i>081301694-0025</i>	Joint Compound	White Fibrous Homogeneous		98.50% Non-fibrous (other)	1.50% Chrysotile
51 - 203 <i>081301694-0051</i>	Joint Compound	Gray Non-Fibrous Homogeneous		98.25% Non-fibrous (other)	1.75% Chrysotile

Analyst(s) _____
 Orlando J. Ivey II (24)
 Ryan Shannon (1)

Chris Dojlidko, Laboratory Manager
 or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.
 Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI

Initial report from 06/27/2013 16:20:03

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103
 Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order:	081301694
CustomerID:	AECL77
CustomerPO:	
ProjectID:	Miller Manor

Attn: Jef Fox American Environmental Consultants P.O. Box 32865 12838 Gavel Detroit, MI 48227	Phone: (313) 491-2600 Fax: (313) 491-2601 Received: 06/25/13 4:20 PM Analysis Date: 6/27/2013 Collected:
Project: Miller Manor	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
25 - 206 <small>081301694-0025</small>	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
26 - 206 <small>081301694-0026</small>	Joint Compound				Not Analyzed
27 - 206 <small>081301694-0027</small>	Joint Compound				Not Analyzed
28 - 210 <small>081301694-0028</small>	Joint Compound				Not Analyzed
29 - 210 <small>081301694-0029</small>	Joint Compound				Not Analyzed
30 - 210 <small>081301694-0030</small>	Joint Compound				Not Analyzed
31 - 210 <small>081301694-0031</small>	Joint Compound				Not Analyzed
32 - 210 <small>081301694-0032</small>	Joint Compound				Not Analyzed

Analyst(s)
 Orlando J. Ivey II (25)
 Ryan Shannon (3)

Chris Dojliko
 Chris Dojliko, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 06/27/2013 16:20:03

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103
 Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order:	081301694
CustomerID:	AECL77
CustomerPO:	
ProjectID:	Miller Manor

Attn: Jef Fox American Environmental Consultants P.O. Box 32865 12838 Gavel Detroit, MI 48227	Phone: (313) 491-2600 Fax: (313) 491-2601 Received: 06/25/13 4:20 PM Analysis Date: 6/27/2013 Collected:
Project: Miller Manor	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
33 - 211 081301694-0033	Joint Compound				Not Analyzed
34 - 211 081301694-0034	Joint Compound				Not Analyzed
35 - 211 081301694-0035	Joint Compound				Not Analyzed
36 - 211 081301694-0036	Joint Compound				Not Analyzed
37 - 211 081301694-0037	Joint Compound				Not Analyzed
38 - 214 081301694-0038	Joint Compound				Not Analyzed
39 - 214 081301694-0039	Joint Compound				Not Analyzed
40 - 214 081301694-0040	Joint Compound				Not Analyzed

Analyst(s)

Orlando J. Ivey II (25)
 Ryan Shannon (3)

Chris Dojlidko, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
41 - 214 <i>081301694-0041</i>	Joint Compound				Not Analyzed
42 - 214 <i>081301694-0042</i>	Joint Compound				Not Analyzed
43 - 216 <i>081301694-0043</i>	Joint Compound				Not Analyzed
44 - 216 <i>081301694-0044</i>	Joint Compound				Not Analyzed
45 - 216 <i>081301694-0045</i>	Joint Compound				Not Analyzed
46 - 216 <i>081301694-0046</i>	Joint Compound				Not Analyzed
47 - 216 <i>081301694-0047</i>	Joint Compound				Not Analyzed
48 - Laundry Room <i>081301694-0048</i>	Joint Compound				Not Analyzed

Analyst(s)
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
49 - Laundry Room <i>081301694-0049</i>	Joint Compound				Not Analyzed
50 - Laundry Room- Joint Compound A <i>081301694-0050</i>	Joint Compound	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
50 - Laundry Room- Joint Compound B <i>081301694-0050A</i>	Joint Compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
51 - 203 <i>081301694-0051</i>	Joint Compound	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
52 - 203 <i>081301694-0052</i>	Joint Compound				Not Analyzed
53 - 203 <i>081301694-0053</i>	Joint Compound				Not Analyzed
54 - 203 <i>081301694-0054</i>	Joint Compound				Not Analyzed
55 - 203 <i>081301694-0055</i>	Joint Compound				Not Analyzed

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
56 - 204 <small>081301694-0056</small>	Joint Compound				Not Analyzed
57 - 204 <small>081301694-0057</small>	Joint Compound				Not Analyzed
58 - 204 <small>081301694-0058</small>	Joint Compound				Not Analyzed
59 - 204 <small>081301694-0059</small>	Joint Compound				Not Analyzed
60 - 204 <small>081301694-0060</small>	Joint Compound				Not Analyzed
61 - 207 <small>081301694-0061</small>	Joint Compound				Not Analyzed
62 - 207 <small>081301694-0062</small>	Joint Compound				Not Analyzed
63 - 207 <small>081301694-0063</small>	Joint Compound				Not Analyzed

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 Ryan Shannon (3)

Chris Dojliko
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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
64 - 207 <i>081301694-0064</i>	Joint Compound				Not Analyzed
65 - 207 <i>081301694-0065</i>	Joint Compound				Not Analyzed
66 - 208 <i>081301694-0066</i>	Joint Compound				Not Analyzed
67 - 208 <i>081301694-0067</i>	Joint Compound				Not Analyzed
68 - 208 <i>081301694-0068</i>	Joint Compound				Not Analyzed
69 - 208 <i>081301694-0069</i>	Joint Compound				Not Analyzed
70 - 208 <i>081301694-0070</i>	Joint Compound				Not Analyzed
71 - 209 <i>081301694-0071</i>	Joint Compound				Not Analyzed

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
72 - 209 081301694-0072	Joint Compound				Not Analyzed
73 - 209 081301694-0073	Joint Compound				Not Analyzed
74 - 209 081301694-0074	Joint Compound				Not Analyzed
75 - 209 081301694-0075	Joint Compound				Not Analyzed
76 - 212 081301694-0076	Joint Compound				Not Analyzed
77 - 212 081301694-0077	Joint Compound				Not Analyzed
78 - 212 081301694-0078	Joint Compound				Not Analyzed
79 - 212 081301694-0079	Joint Compound				Not Analyzed

Analyst(s)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
80 - 212 <i>081301694-0080</i>	Joint Compound				Not Analyzed
81 - 213 <i>081301694-0081</i>	Joint Compound				Not Analyzed
82 - 213 <i>081301694-0082</i>	Joint Compound				Not Analyzed
83 - 213 <i>081301694-0083</i>	Joint Compound				Not Analyzed
84 - 213 <i>081301694-0084</i>	Joint Compound				Not Analyzed
85 - 213 <i>081301694-0085</i>	Joint Compound				Not Analyzed

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<http://www.emsl.com>annarborlab@emsl.com

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Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1-KIT-1 081301113-0001	Floor Tile	White/Red Fibrous Heterogeneous	2% Synthetic	98% Non-fibrous (other)	None Detected
1-KIT-2 081301113-0002	Floor Tile	White/Red Fibrous Heterogeneous	2% Synthetic	98% Non-fibrous (other)	None Detected
1-KIT-3 081301113-0003	Floor Tile	White/Red Fibrous Homogeneous	5% Synthetic	95% Non-fibrous (other)	None Detected
2-KIT-1 081301113-0004	Ceiling Tile	Brown/Gray Fibrous Heterogeneous	7% Cellulose <1% Glass	93% Non-fibrous (other)	None Detected
2-KIT-2 081301113-0005	Ceiling Tile	Brown/Gray/White Fibrous Heterogeneous	10% Cellulose <1% Glass	90% Non-fibrous (other)	None Detected
2-KIT-3 081301113-0006	Ceiling Tile	Brown/Gray Fibrous Homogeneous	10% Cellulose <1% Glass	90% Non-fibrous (other)	None Detected
3-MO-1 081301113-0007	Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
3-MO-1 081301113-0007A	Mastic	Black Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

Sample Labeled "3-Maint Off"

Analyst(s)

Jamie Laginess (97)

Ryan Shannon (31)

Orlando J. Ivey II (86)

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or other approved signatory

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
3-MO-2 <i>081301113-0008</i>	Floor Tile	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
3-MO-2 <i>081301113-0008A</i>	Mastic	Black Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
Sample Labeled "3-Maint Off"					
3-MO-3 <i>081301113-0009</i>	Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Sample Labeled "3-Maint Off"					
3-MO-3 <i>081301113-0009A</i>	Mastic	Black Non-Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected
Sample Labeled "3-Maint Off"					
4-BR-1 <i>081301113-0010</i>	Floor Tile	Blue Non-Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
Sample bag marked "4-Break Room"					
4-BR-1 <i>081301113-0010A</i>	Adhesive	Gray Non-Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (other)	None Detected
Sample bag marked "4-Break Room"					
4-BR-2 <i>081301113-0011</i>	Floor Tile				Not Submitted

Analyst(s)

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			% Fibrous	% Non-Fibrous	% Type
4-BR-3 <i>081301113-0012</i>	Floor Tile				Not Submitted
5-BR-1 <i>081301113-0013</i>	Floor Tile	Non-Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
Sample bag marked "5-Break Room"					
5-BR-1 <i>081301113-0013A</i>	Adhesive	Gray Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
Sample bag marked "5-Break Room"					
5-BR-2 <i>081301113-0014</i>	Floor Tile				Not Submitted
5-BR-3 <i>081301113-0015</i>	Floor Tile				Not Submitted
6-MO-1 <i>081301113-0016</i>	Cove Base	Blue/Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Sample bag marked "6- Maint Off"					
6-MO-2 <i>081301113-0017</i>	Cove Base	Blue/Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Sample bag marked "6- Maint Off"					

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			% Fibrous	% Non-Fibrous	% Type
6-MO-3 081301113-0018	Cove Base	Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
7-605 081301113-0019	Cove Base	White/Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
7-605 081301113-0019A	Adhesive	Brown/Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
7-605 081301113-0019B	Caulk	White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (other)	None Detected
7-505 081301113-0020	Cove Base	White/Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
7-505 081301113-0020A	Adhesive	Gold Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
7-708 081301113-0021	Cove Base	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
7-708 081301113-0021A	Adhesive	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

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Initial report from 05/14/2013 15:54:59



EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103
Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order: 081301113
CustomerID: AECL77
CustomerPO:
ProjectID:

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
Fax: (313) 491-2601
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
8-AAHC-1 <i>081301113-0022</i>	Ceiling Tile	Brown/Gray/Silver Fibrous Heterogeneous	85% Min. Wool 5% Cellulose	10% Non-fibrous (other)	None Detected
Sample bag Marked "8-AAHC Hall"					
8-AAHC-2 <i>081301113-0023</i>	Ceiling Tile	Brown/Gray/Silver Fibrous Heterogeneous	90% Min. Wool 5% Cellulose	5% Non-fibrous (other)	None Detected
Sample bag Marked "8-AAHC Hall"					
8-AAHC-3 <i>081301113-0024</i>	Ceiling Tile	Gray Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (other)	None Detected
Sample bag Marked "8-AAHC Hall"					
9-204 <i>081301113-0025</i>	Cove Base	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
9-204 <i>081301113-0025A</i>	Adhesive/Backing	Brown/White Fibrous Heterogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
9-316 <i>081301113-0026</i>	Cove Base	Tan Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
9-316 <i>081301113-0026A</i>	Adhesive/Backing	Brown/Yellow Fibrous Heterogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected

Analyst(s)

Jamie Laginess (97)
Orlando J. Ivey II (86)

Ryan Shannon (31)

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or other approved signatory

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
9-603 081301113-0027	Cove Base	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
9-603 081301113-0027A	Adhesive	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
10-Lobby 081301113-0028	Floor Tile	Orange Non-Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
10-Lobby 081301113-0028A	Backing	Brown Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	None Detected
10-3rd Floor Hall 081301113-0029	Floor Tile	Orange Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
10-3rd Floor Hall 081301113-0029A	Backing	Brown/White Fibrous Heterogeneous	30% Cellulose 30% Synthetic	40% Non-fibrous (other)	None Detected
10-4th Floor Hall 081301113-0030	Floor Tile	Orange Non-Fibrous Homogeneous	40% Cellulose	60% Non-fibrous (other)	None Detected
10-4th Floor Hall 081301113-0030A	Backing	Brown/White Fibrous Heterogeneous	15% Cellulose 25% Synthetic	60% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
10-Library 081301113-0031	Floor Tile	Orange Non-Fibrous Homogeneous	30% Cellulose	70% Non-fibrous (other)	None Detected
10-Library 081301113-0031A	Backing	Brown Non-Fibrous Homogeneous	10% Cellulose 5% Synthetic	85% Non-fibrous (other)	None Detected
11-Lobby 081301113-0032	Floor Tile	Tan/Beige Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
11-Library 1 7th Floor 081301113-0033	Floor Tile	Gray/Tan Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected
11-Library 2 081301113-0034	Floor Tile				Not Submitted
12-1st Kitchen 081301113-0035	Joint Compound	Gray/Tan Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<1% Chrysotile
12-1st Kitchen 081301113-0035A	Drywall	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12-AHCC 081301113-0036	Joint Compound	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
12-AHCC <i>081301113-0036A</i>	Drywall	Gray Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (other)	None Detected
12-MO <i>081301113-0037</i>	Joint Compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
12-MO <i>081301113-0037A</i>	Drywall	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
12-Community <i>081301113-0038</i>	Joint Compound	Gray/White/Green Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
12-Community <i>081301113-0038A</i>	Drywall	Gray/White Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected
13-1st Hall <i>081301113-0039</i>	Ceiling Tile	Gray/White Fibrous Homogeneous	45% Cellulose 15% Min. Wool	40% Non-fibrous (other)	None Detected
13-3rd Hall <i>081301113-0040</i>	Ceiling Tile	Gray/White Fibrous Homogeneous	40% Cellulose 10% Min. Wool	50% Non-fibrous (other)	None Detected
13-5th Hall <i>081301113-0041</i>	Ceiling Tile	Gray/White Fibrous Homogeneous	30% Cellulose 40% Min. Wool	30% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
13-166 081301113-0042	Ceiling Tile	Gray/White Fibrous Homogeneous	45% Cellulose 25% Min. Wool	30% Non-fibrous (other)	None Detected
14-Library 1 081301113-0043	Floor Tile	Red Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
14-Library 2 081301113-0044	Floor Tile	Red Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected
14-Lobby 081301113-0045	Floor Tile	Red Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
15-1st Floor Hall-1 081301113-0046	Cove Base	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
15-1st Floor Hall-1 081301113-0046A	Adhesive	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
15-1st Floor Hall-2 081301113-0047	Cove Base	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
15-1st Floor Hall-2 081301113-0047A	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
15-1st Floor Hall-3 <i>081301113-0048</i>	Cove Base	Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
15-1st Floor Hall-3 <i>081301113-0048A</i>	Adhesive	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
16-Laundry-1 <i>081301113-0049</i>	Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
16-Laundry-1 <i>081301113-0049A</i>	Adhesive	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
16-Laundry-2 <i>081301113-0050</i>	Floor Tile	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
16-Laundry-2 <i>081301113-0050A</i>	Adhesive	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
16-Laundry-3 <i>081301113-0051</i>	Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
16-Laundry-3 <i>081301113-0051A</i>	Mastic				Insufficient Material

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17-Laundry-1 081301113-0052	Cove Base	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
17-Laundry-2 081301113-0053	Cove Base	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
17-Laundry-2 081301113-0053A	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
17-Laundry-2 081301113-0053B	Paper	Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (other)	None Detected
17-Laundry-3 081301113-0054	Cove Base	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
17-Laundry-3 081301113-0054A	Adhesive Backing	Gray/Tan Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	None Detected
18-114 081301113-0055	Floor Tile	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
18-114 081301113-0055A	Mastic	Black Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
18-307 <i>081301113-0056</i>	Floor Tile	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
18-307 <i>081301113-0056A</i>	Mastic	Black Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (other)	None Detected
18-405 <i>081301113-0057</i>	Floor Tile	White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
18-405 <i>081301113-0057A</i>	Mastic	Black Non-Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile
19-1st Hall <i>081301113-0058</i>	Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
19-1st Hall <i>081301113-0058A</i>	Drywall	Brown/Gray Fibrous Homogeneous	5% Cellulose 2% Glass	93% Non-fibrous (other)	None Detected
19-116 <i>081301113-0059</i>	Joint Compound	White Fibrous Homogeneous	10% Glass	90% Non-fibrous (other)	<1% Chrysotile
19-116 <i>081301113-0059A</i>	Drywall	Brown/White Fibrous Homogeneous	5% Cellulose 2% Glass	93% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19-2nd Hall 081301113-0060	Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
19-2nd Hall 081301113-0060A	Drywall	White Fibrous Homogeneous	4% Cellulose 2% Glass	94% Non-fibrous (other)	None Detected
19-204 081301113-0061	Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
19-204 081301113-0061A	Drywall	White Fibrous Homogeneous	8% Cellulose 2% Glass	90% Non-fibrous (other)	None Detected
19-3rd FI Hall 081301113-0062	Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
19-3rd FI Hall 081301113-0062A	Drywall	Gray Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected
19-307 081301113-0063	Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
19-307 081301113-0063A	Drywall	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected

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Initial report from 05/14/2013 15:54:59

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>annarborlab@emsl.com

EMSL Order: 081301113

CustomerID: AECL77

CustomerPO:

ProjectID:

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 05/09/13 5:45 PM
 Analysis Date: 5/22/2013
 Collected:

Project: Miller Manor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19-4th Hall 081301113-0064	Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
19-4th Hall 081301113-0064A	Drywall	Brown/Gray Fibrous Homogeneous	6% Cellulose <1% Glass	94% Non-fibrous (other)	None Detected
19-405 081301113-0065	Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
19-405 081301113-0065A	Drywall	Brown/Gray Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
19-5th Hall 081301113-0066	Joint Compound	Gray/White Fibrous Homogeneous	3% Cellulose	95% Non-fibrous (other)	2% Chrysotile
19-5th Hall 081301113-0066A	Drywall	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
19-512 081301113-0067	Joint Compound	White Fibrous Homogeneous	6% Cellulose	92% Non-fibrous (other)	2% Chrysotile
19-512 081301113-0067A	Drywall	Gray Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s)

Jamie Laginess (97)

Ryan Shannon (31)

Orlando J. Ivey II (86)

Chris Dojlidko, Laboratory Manager
or other approved signatory

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19-6th Fl Hall 081301113-0068	Joint Compound	White Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
19-6th Fl Hall 081301113-0068A	Drywall	Gray Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (other)	None Detected
19-605 081301113-0069	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
19-605 081301113-0069A	Drywall	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (other)	None Detected
19-7th Fl Hall 081301113-0070	Joint Compound	Gray/White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
19-7th Fl Hall 081301113-0070A	Drywall	Gray Fibrous Homogeneous	7% Cellulose	93% Non-fibrous (other)	None Detected
19-705 081301113-0071	Joint Compound	White Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
19-705 081301113-0071A	Drywall	Gray Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-403 081301113-0072	Glue	Gray/Tan Fibrous Homogeneous	3% Cellulose 7% Min. Wool	90% Non-fibrous (other)	None Detected
20-110 081301113-0073	Glue	Gray/Tan Fibrous Homogeneous	2% Cellulose 8% Min. Wool	90% Non-fibrous (other)	None Detected
20-708 081301113-0074	Glue	Tan Non-Fibrous Homogeneous	<1% Synthetic	100% Non-fibrous (other)	None Detected
21-114 081301113-0075	Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
21-114 081301113-0075A	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
21-114 081301113-0075B	Joint Compound	White Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
21-115 081301113-0076	Cove Base	Gray Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
21-115 081301113-0076A	Adhesive	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
21-115 <i>081301113-0076B</i>	Joint Compound	Gray/Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
21-307 <i>081301113-0077</i>	Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
21-307 <i>081301113-0077A</i>	Adhesive	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
22-115 <i>081301113-0078</i>	Floor Tile	Gray Fibrous Homogeneous		93% Non-fibrous (other)	7% Chrysotile
22-115 <i>081301113-0078A</i>	Mastic	Black Fibrous Homogeneous		85% Non-fibrous (other)	15% Chrysotile
22-303 <i>081301113-0079</i>	Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
22-303 <i>081301113-0079A</i>	Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
22-417 <i>081301113-0080</i>	Floor Tile	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Labeled 22-603

Analyst(s)

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Orlando J. Ivey II (86)

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<http://www.emsl.com>

annarborlab@emsl.com

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Attn: **Jef Fox**
American Environmental Consultants
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12838 Gavel
Detroit, MI 48227

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
22-417 081301113-0080A	Adhesive	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
Labeled 22-603.					
23-116 081301113-0081	Joint Compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
No Baseboard Present					
23-116 081301113-0081A	Adhesive	Tan Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
23-405 081301113-0082	Cove Base	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
23-405 081301113-0082A	Adhesive	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
23-405 081301113-0082B	Joint Compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
23-601 081301113-0083	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
23-601 081301113-0083A	Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
24-110-1 <i>081301113-0084</i>	Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
24-110-2 <i>081301113-0085</i>	Floor Tile				Not Submitted
24-110-3 <i>081301113-0086</i>	Floor Tile				Not Analyzed
25-510- <i>081301113-0087</i>	Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
25-201-1 <i>081301113-0088</i>	Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
25-202-2 <i>081301113-0089</i>	Texture	Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
26-114 <i>081301113-0090</i>	Cove Base	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
26-114 <i>081301113-0090A</i>	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
26-303 081301113-0091	Cove Base	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
26-303 081301113-0091A	Adhesive	Tan/Beige/Cream Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
26-407 081301113-0092	Cove Base	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
26-407 081301113-0092A	Adhesive	Tan Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected
27-114 081301113-0093	Sink Undercoating	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
27-303 081301113-0094	Sink Undercoating	Gray Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
27-512 081301113-0095	Sink Undercoating	Black Non-Fibrous Homogeneous		95% Non-fibrous (other)	5% Chrysotile
28-212 081301113-0096	Linoleum	Gray/White Fibrous Heterogeneous	20% Cellulose 5% Glass	75% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
28-617 081301113-0097	Linoleum	Gray/White Fibrous Homogeneous	15% Cellulose 6% Glass	79% Non-fibrous (other)	None Detected
28-401 081301113-0098	Linoleum	Gray Fibrous Heterogeneous	10% Cellulose 5% Glass	85% Non-fibrous (other)	None Detected
29-205 081301113-0099	Cove Base	Red/Rose Fibrous Homogeneous	2% Glass	98% Non-fibrous (other)	None Detected
29-205 081301113-0099A	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
30-Roof 081301113-0100	Shingle	Tan/Red/Black Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
31-403 081301113-0101	Caulk	Gray Fibrous Heterogeneous		97% Non-fibrous (other)	3% Chrysotile
31-Library 081301113-0102	Caulk	Gray Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile
31-108 081301113-0103	Caulk	Gray Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
32-403 081301113-0104	Caulk	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
32-Library 081301113-0105	Caulk	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
32-108 081301113-0106	Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
33-314 081301113-0107	Floor Tile	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
34-114 081301113-0108	Floor Tile	Gray/White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
34-204 081301113-0109	Floor Tile	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
34-716 081301113-0110	Floor Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
34-716 081301113-0110A	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
35-OFF-1 081301113-0111	Ceiling Tile	White Fibrous Homogeneous	60% Min. Wool	32% Non-fibrous (other)	8% Amosite
35-OFF-2 081301113-0112	Ceiling Tile	White Fibrous Homogeneous	55% Min. Wool	37% Non-fibrous (other)	8% Amosite
35-OFF-3 081301113-0113	Ceiling Tile	White Fibrous Homogeneous	45% Min. Wool 5% Cellulose	43% Non-fibrous (other)	7% Amosite
36-505 081301113-0114	Flooring	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
36-505 081301113-0114A	Adhesive	Clear Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
37-506-1 081301113-0115	Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
37-506-1 081301113-0115A	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
37-506-2 081301113-0116	Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Jamie Laginess (97)
Orlando J. Ivey II (86)

Ryan Shannon (31)

Chris Dojlidko, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 05/14/2013 15:54:59



EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>

annarborlab@emsl.com

EMSL Order: 081301113

CustomerID: AECL77

CustomerPO:

ProjectID:

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
Fax: (313) 491-2601
Received: 05/09/13 5:45 PM
Analysis Date: 5/22/2013
Collected:

Project: Miller Manor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
37-506-2 081301113-0116A	Mastic	Black Non-Fibrous Homogeneous	4% Cellulose	96% Non-fibrous (other)	None Detected
38-303 081301113-0117	Cove Base	Blue Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
38-303 081301113-0117A	Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
38-201 081301113-0118	Cove Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
No Adhesive.					
39-108 081301113-0119	Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
39-405 081301113-0120	Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
39-701 081301113-0121	Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
40-116-1 081301113-0122	Ceiling Tile	Gray Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (other)	None Detected

Analyst(s)

Jamie Laginess (97)

Ryan Shannon (31)

Orlando J. Ivey II (86)

Chris Dojlidko, Laboratory Manager
or other approved signatory

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EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103
Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order: 081301113
CustomerID: AECL77
CustomerPO:
ProjectID:

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
Fax: (313) 491-2601
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Project: Miller Manor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
40-116-2 <i>081301113-0123</i>	Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 25% Min. Wool	15% Non-fibrous (other)	None Detected
40-116-3 <i>081301113-0124</i>	Ceiling Tile	Gray/White Fibrous Homogeneous	45% Cellulose 25% Min. Wool	30% Non-fibrous (other)	None Detected
41-E Hall-1 <i>081301113-0125</i>	Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
41-E Hall-1 <i>081301113-0125A</i>	Mastic	Tan/Black Non-Fibrous Heterogeneous		100% Non-fibrous (other)	<1% Chrysotile
41-E Hall-2 <i>081301113-0126</i>	Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
			No Mastic.		
41-E Hall-3 <i>081301113-0127</i>	Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
41-E Hall-3 <i>081301113-0127A</i>	Mastic	Tan/Black Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
42-115 <i>081301113-0128</i>	Floor Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s) _____

Jamie Laginess (97) Ryan Shannon (31)
Orlando J. Ivey II (86)

Chris Dojliko, Laboratory Manager
or other approved signatory

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EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>

annarborlab@emsl.com

EMSL Order: 081301113

CustomerID: AECL77

CustomerPO:

ProjectID:

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Project: Miller Manor

Phone: (313) 491-2600
Fax: (313) 491-2601
Received: 05/09/13 5:45 PM
Analysis Date: 5/22/2013
Collected:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
42-115 081301113-0128A	Adhesive	Tan/Black Non-Fibrous Heterogeneous		100% Non-fibrous (other)	<1% Chrysotile
43-B12 081301113-0129	Wrap	Beige Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
43-B12 081301113-0129A	Insulation	Gray Fibrous Homogeneous	20% Glass	80% Non-fibrous (other)	None Detected
43-1st Hall 081301113-0130	Pipe Fittings	Gray Fibrous Homogeneous	15% Glass	85% Non-fibrous (other)	None Detected
43-Trash 081301113-0131	Pipe Fittings	Gray Fibrous Homogeneous	2% Cellulose 35% Min. Wool	63% Non-fibrous (other)	None Detected
44-BR 081301113-0132	Pipe Fittings	Gray Fibrous Homogeneous	15% Min. Wool	85% Non-fibrous (other)	None Detected
44-Storage 081301113-0133	Pipe Fittings	Gray Fibrous Homogeneous	20% Min. Wool <1% Cellulose	80% Non-fibrous (other)	None Detected
44-1st Hall 081301113-0134	Wrap	Gray Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (other)	None Detected

Analyst(s)

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Ryan Shannon (31)

Orlando J. Ivey II (86)

Chris Dojlidko, Laboratory Manager
or other approved signatory

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EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103
Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order: 081301113
CustomerID: AECL77
CustomerPO:
ProjectID:

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
Fax: (313) 491-2601
Received: 05/09/13 5:45 PM
Analysis Date: 5/22/2013
Collected:

Project: Miller Manor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
44-1st Hall <i>081301113-0134A</i>	Insulation	Gray Fibrous Homogeneous	6% Cellulose 20% Min. Wool	74% Non-fibrous (other)	None Detected
45-BR <i>081301113-0135</i>	Pipe Fittings	Gray Fibrous Homogeneous	15% Min. Wool <1% Cellulose	85% Non-fibrous (other)	None Detected
45-Trash <i>081301113-0136</i>	Pipe Fittings	Gray Fibrous Homogeneous	15% Min. Wool	85% Non-fibrous (other)	None Detected
45-1st Hall <i>081301113-0137</i>	Pipe Fittings	Gray Fibrous Homogeneous	10% Min. Wool	90% Non-fibrous (other)	None Detected
46-114 <i>081301113-0138</i>	Cement	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
46-Trash <i>081301113-0139</i>	Cement	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
46-Boiler Room <i>081301113-0140</i>	Cement	Gray Fibrous Homogeneous	6% Glass 2% Cellulose	92% Non-fibrous (other)	None Detected
47-114 <i>081301113-0141</i>	Cement	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s)

Jamie Laginess (97) Ryan Shannon (31)
Orlando J. Ivey II (86)

Chris Dojlikdo, Laboratory Manager
or other approved signatory

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EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103
 Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order: 081301113
 CustomerID: AECL77
 CustomerPO:
 ProjectID:

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 05/09/13 5:45 PM
 Analysis Date: 5/22/2013
 Collected:

Project: Miller Manor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
47-Trash 081301113-0142	Cement	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
47-Boiler Room 081301113-0143	Cement	Gray Fibrous Homogeneous	3% Glass	97% Non-fibrous (other)	None Detected
48-308 081301113-0144	Flooring	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
48-308 081301113-0144A	Glue	Brown Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
49-613 081301113-0145	Floor Tile	Gray/Green Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
50-613 081301113-0146	Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
51-710 081301113-0147	Floor Tile	Tan/Pink Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
52-710-1 081301113-0148	Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile

Analyst(s)

Jamie Laginess (97) Ryan Shannon (31)
 Orlando J. Ivey II (86)

Chris Dojliko, Laboratory Manager
 or other approved signatory

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EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>

annarborlab@emsl.com

EMSL Order: 081301113

CustomerID: AECL77

CustomerPO:

ProjectID:

Attn: **Jef Fox**

American Environmental Consultants

P.O. Box 32865

12838 Gavel

Detroit, MI 48227

Phone: (313) 491-2600

Fax: (313) 491-2601

Received: 05/09/13 5:45 PM

Analysis Date: 5/22/2013

Collected:

Project: Miller Manor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
52-710-2 <small>081301113-0149</small>	Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
52-710-3 <small>081301113-0150</small>	Texture				Insufficient Material

Analyst(s)

Jamie Laginess (97)

Ryan Shannon (31)

Orlando J. Ivey II (86)

Chris Dojliidko, Laboratory Manager
or other approved signatory

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**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103
 Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order: 081301204
 CustomerID: AECL77
 CustomerPO:
 ProjectID:

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 05/16/13 1:51 PM
 Analysis Date: 5/16/2013
 Collected:

Project: Pt Ct re-analysis on 081301113 for joint compound

**Test Report: Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116
 and/or EPA 600/M4-82-020. Quantitation using 400 Point Count Procedure**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19-1st Hall 081301204-0001	Joint compound	Gray Non-Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile
19-3fl Hall 081301204-0002	Joint compound	Gray Non-Fibrous Homogeneous		99.00% Non-fibrous (other)	1.00% Chrysotile
19-307 081301204-0003	Joint compound	Gray Non-Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
19-4fl Hall 081301204-0004	Joint compound	Gray Non-Fibrous Homogeneous		99.00% Non-fibrous (other)	1.00% Chrysotile
19-405 081301204-0005	Joint compound	Gray Non-Fibrous Homogeneous		97.75% Non-fibrous (other)	2.25% Chrysotile
19-5fl Hall 081301204-0006	Joint compound	Gray Non-Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
19-512 081301204-0007	Joint compound	Gray Non-Fibrous Homogeneous		99.00% Non-fibrous (other)	1.00% Chrysotile

Analyst(s)

Ryan Shannon (9)

Chris Dojlidko, Laboratory Manager
 or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of client, building materials manufactured with multiple layers (i.e. inoleum, wallboard, etc.) are reported as a single sample. Samples received in good condition unless otherwise noted. Unless requested by the client, Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI

Initial report from 05/16/2013 14:55:20

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>annarborlab@emsl.com

EMSL Order:	081301694
CustomerID:	AECL77
CustomerPO:	
ProjectID:	Miller Manor

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 06/25/13 4:20 PM
 Analysis Date: 6/27/2013
 Collected:

Project: **Miller Manor**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 - 2nd Flr Hall W <i>081301694-0001</i>	Joint Compound	White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
2 - 2nd Flr Hall W <i>081301694-0002</i>	Joint Compound	White Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile
3 - 2nd Flr Hall W <i>081301694-0003</i>	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
4 - 2nd Flr - Lobby <i>081301694-0004</i>	Joint Compound	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
5 - 2nd Flr Hall E <i>081301694-0005</i>	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
6 - 2nd Flr Hall E <i>081301694-0006</i>	Joint Compound	White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
7 - 2nd Flr Hall <i>081301694-0007</i>	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
8 - 201 <i>081301694-0008</i>	Joint Compound	Gray/White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

Analyst(s)

Orlando J. Ivey II (25)

Ryan Shannon (3)

Chris Dojliko, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 06/27/2013 16:20:03

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103
 Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order: 081301694
 CustomerID: AECL77
 CustomerPO:
 ProjectID: Miller Manor

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 06/25/13 4:20 PM
 Analysis Date: 6/27/2013
 Collected:

Project: **Miller Manor**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
9 - 201 081301694-0009	Joint Compound	Gray/White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
10 - 201 081301694-0010	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
11 - 201 081301694-0011	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
12 - 201 081301694-0012	Joint Compound	White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
13 - 202 081301694-0013	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
14 - 202 081301694-0014	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
15 - 202 081301694-0015	Joint Compound	White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
16 - 202 081301694-0016	Joint Compound	Gray/White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile

Analyst(s)
 Orlando J. Ivey II (25)
 Ryan Shannon (3)

Chris Dojlidko
 Chris Dojlidko, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 06/27/2013 16:20:03

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103
 Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order: 081301694
 CustomerID: AECL77
 CustomerPO:
 ProjectID: Miller Manor

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 06/25/13 4:20 PM
 Analysis Date: 6/27/2013
 Collected:

Project: **Miller Manor**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
17 - 202 081301694-0017	Joint Compound	White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
18 - 205 081301694-0018	Joint Compound	Gray/White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
19 - 205 081301694-0019	Joint Compound	Gray/White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
20 - 205 081301694-0020	Joint Compound	Gray/White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
21 - 205 081301694-0021	Joint Compound	Gray/White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
22 - 205 081301694-0022	Joint Compound	Gray Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
23 - 206 081301694-0023	Joint Compound	Gray/White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
24 - 206 081301694-0024	Joint Compound	Gray/White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile

Analyst(s)
 Orlando J. Ivey II (25)
 Ryan Shannon (3)

Chris Dojlidko
 Chris Dojlidko, Laboratory Manager
 or other approved signatory

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EMSL Order: 081301710
CustomerID: AECL77
CustomerPO:
ProjectID: Miller Manor

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
Fax: (313) 491-2601
Received: 06/26/13 2:10 PM
Analysis Date: 6/28/2013
Collected:

Project: Miller Manor - 5th Floor

Test Report: Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 and/or EPA 600/M4-82-020. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
86 081301710-0001	Joint Compound	Gray Fibrous Homogeneous		98.50% Non-fibrous (other)	1.50% Chrysotile
87 081301710-0002	Joint Compound	White Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile
88 081301710-0003	Joint Compound	White Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
89 081301710-0004	Joint Compound	Gray/White Fibrous Homogeneous		98.50% Non-fibrous (other)	1.50% Chrysotile
91 081301710-0006	Joint Compound	White Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile
92 081301710-0007	Joint Compound	White Fibrous Homogeneous		98.50% Non-fibrous (other)	1.50% Chrysotile
93 081301710-0008	Joint Compound	White Fibrous Homogeneous		98.50% Non-fibrous (other)	1.50% Chrysotile

Analyst(s)

Jamie Laginess (2) Ryan Shannon (4)
Orlando J. Ivey II (10)

Chris Dojliko, Laboratory Manager
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.
Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI

Initial report from 07/01/2013 09:35:57



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Phone/Fax: (734) 668-6810 / (734) 668-8532
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Received: 06/26/13 2:10 PM
Analysis Date: 6/28/2013
Collected:

Project: Miller Manor - 5th Floor

Test Report: Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 and/or EPA 600/M4-82-020. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
94 081301710-0009	Joint Compound	Gray Non-Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
95 081301710-0010	Joint Compound	White Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile
96 081301710-0011	Joint Compound	White Fibrous Homogeneous		98.50% Non-fibrous (other)	1.50% Chrysotile
98 081301710-0013	Joint Compound	White Fibrous Homogeneous		98.50% Non-fibrous (other)	1.50% Chrysotile
99 081301710-0014	Joint Compound	Gray Non-Fibrous Homogeneous		98.25% Non-fibrous (other)	1.75% Chrysotile
100 081301710-0015	Joint Compound	Gray Non-Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
102 081301710-0017	Joint Compound	Gray Non-Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile

Analyst(s) _____

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Orlando J. Ivey II (10)

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Test Report: Test Report: Asbestos Analysis of Bulk Material via EPA 600/R-93/116 and/or EPA 600/M4-82-020. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
104 081301710-0019	Joint Compound	White Non-Fibrous Homogeneous		99.25% Non-fibrous (other)	0.75% Chrysotile
105 081301710-0020	Joint Compound	White Non-Fibrous Homogeneous		98.75% Non-fibrous (other)	1.25% Chrysotile

Analyst(s)

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Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>

annarborlab@emsl.com

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American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 06/26/13 2:10 PM
 Analysis Date: 7/1/2013
 Collected:

Project: Miller Manor - 5th Floor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
86 081301710-0001	Joint Compound	Gray/White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
87 081301710-0002	Joint Compound	White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
88 081301710-0003	Joint Compound	Gray/White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
89 081301710-0004	Joint Compound	White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
90 081301710-0005	Joint Compound	Gray/White Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
91 081301710-0006	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
92 081301710-0007	Joint Compound	White Fibrous Homogeneous		96% Non-fibrous (other)	4% Chrysotile
93 081301710-0008	Joint Compound	White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile

Analyst(s)

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 Orlando J. Ivey II (13)

Ryan Shannon (6)

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212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>annarborlab@emsl.com

EMSL Order:	081301710
CustomerID:	AECL77
CustomerPO:	
ProjectID:	Miller Manor

Attn: **Jef Fox**
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12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 06/26/13 2:10 PM
 Analysis Date: 7/1/2013
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Project: Miller Manor - 5th Floor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
94 081301710-0009	Joint Compound	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
95 081301710-0010	Joint Compound	Gray/White Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
96 081301710-0011	Joint Compound	White Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
97-Grayish Joint Compound 081301710-0012	Joint Compound	Grayish Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected
97-White Joint Compound 081301710-0012A	Joint Compound	White Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	<1% Chrysotile
98 081301710-0013	Joint Compound	White Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
99 081301710-0014	Joint Compound	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
100 081301710-0015	Joint Compound	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile

Analyst(s)

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
101 081301710-0016	Joint Compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
102 081301710-0017	Joint Compound	Gray Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
103 081301710-0018	Joint Compound	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	<1% Chrysotile
104 081301710-0019	Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (other)	2% Chrysotile
105 081301710-0020	Joint Compound	White Non-Fibrous Homogeneous		97% Non-fibrous (other)	3% Chrysotile
106 081301710-0021	Joint Compound				Not Analyzed
107 081301710-0022	Joint Compound				Not Analyzed
108 081301710-0023	Joint Compound				Not Analyzed

Analyst(s)

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Project: Miller Manor - 5th Floor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
109 <i>081301710-0024</i>	Joint Compound				Not Analyzed
110 <i>081301710-0025</i>	Joint Compound				Not Analyzed
111 <i>081301710-0026</i>	Joint Compound				Not Analyzed
112 <i>081301710-0027</i>	Joint Compound				Not Analyzed
113 <i>081301710-0028</i>	Joint Compound				Not Submitted
114 <i>081301710-0029</i>	Joint Compound				Not Analyzed
115 <i>081301710-0030</i>	Joint Compound				Not Analyzed
116 <i>081301710-0031</i>	Joint Compound				Not Analyzed

Analyst(s)

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Ryan Shannon (6)

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
117 081301710-0032	Joint Compound				Not Analyzed
118 081301710-0033	Joint Compound				Not Analyzed
Two samples labelled "118" present					
119 081301710-0034	Joint Compound				Not Analyzed
120 081301710-0035	Joint Compound				Not Analyzed
121 081301710-0036	Joint Compound				Not Analyzed
122 081301710-0037	Joint Compound				Not Analyzed
123 081301710-0038	Joint Compound				Not Analyzed
124 081301710-0039	Joint Compound				Not Analyzed

Analyst(s)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
125 081301710-0040	Joint Compound				Not Analyzed
126 081301710-0041	Joint Compound				Not Analyzed
127 081301710-0042	Joint Compound				Not Analyzed
128 081301710-0043	Joint Compound				Not Analyzed
129 081301710-0044	Joint Compound				Not Analyzed
130 081301710-0045	Joint Compound				Not Analyzed
131 081301710-0046	Joint Compound				Not Analyzed
132 081301710-0047	Joint Compound				Not Analyzed

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Project: Miller Manor - 5th Floor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
133 081301710-0048	Joint Compound				Not Analyzed
134 081301710-0049	Joint Compound				Not Analyzed
135 081301710-0050	Joint Compound				Not Analyzed
136 081301710-0051	Joint Compound				Not Analyzed
137 081301710-0052	Joint Compound				Not Analyzed
138 081301710-0053	Joint Compound				Not Analyzed
139 081301710-0054	Joint Compound				Not Analyzed
140 081301710-0055	Joint Compound				Not Analyzed

Analyst(s)

Jamie Laginess (2) Ryan Shannon (6)
 Orlando J. Ivey II (13)

Chris Dojlidko, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 07/01/2013 09:35:57

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>annarborlab@emsl.com

EMSL Order:	081301710
CustomerID:	AECL77
CustomerPO:	
ProjectID:	Miller Manor

Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 06/26/13 2:10 PM
 Analysis Date: 7/1/2013
 Collected:

Project: Miller Manor - 5th Floor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
141 <i>081301710-0056</i>	Joint Compound				Not Analyzed
142 <i>081301710-0057</i>	Joint Compound				Not Analyzed
143 <i>081301710-0058</i>	Joint Compound				Not Analyzed
144 <i>081301710-0059</i>	Joint Compound				Not Analyzed
145 <i>081301710-0060</i>	Joint Compound				Not Analyzed
146 <i>081301710-0061</i>	Joint Compound				Not Analyzed
147 <i>081301710-0062</i>	Joint Compound				Not Analyzed
148 <i>081301710-0063</i>	Joint Compound				Not Analyzed

Analyst(s)

Jamie Laginess (2)
 Orlando J. Ivey II (13)

Ryan Shannon (6)

Chris Dojlidko, Laboratory Manager
 or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 07/01/2013 09:35:57



EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

<http://www.emsl.com>

annarborlab@emsl.com

EMSL Order:	081301710
CustomerID:	AECL77
CustomerPO:	
ProjectID:	Miller Manor

Attn: Jef Fox American Environmental Consultants P.O. Box 32865 12838 Gavel Detroit, MI 48227	Phone: (313) 491-2600 Fax: (313) 491-2601 Received: 06/26/13 2:10 PM Analysis Date: 7/1/2013 Collected:
Project: Miller Manor - 5th Floor	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
149 <i>081301710-0064</i>	Joint Compound				Not Analyzed
150 <i>081301710-0065</i>	Joint Compound				Not Analyzed
151 <i>081301710-0066</i>	Joint Compound				Not Analyzed
152 <i>081301710-0067</i>	Joint Compound				Not Analyzed
153 <i>081301710-0068</i>	Joint Compound				Not Analyzed
154 <i>081301710-0069</i>	Joint Compound				Not Analyzed
155 <i>081301710-0070</i>	Joint Compound				Not Analyzed
156 <i>081301710-0071</i>	Joint Compound				Not Analyzed

Analyst(s) _____

Jamie Laginess (2)

Ryan Shannon (6)

Orlando J. Ivey II (13)

Chris Dojlidko, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 07/01/2013 09:35:57

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone/Fax: (734) 668-6810 / (734) 668-8532

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EMSL Order:	081301710
CustomerID:	AECL77
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Attn: **Jef Fox**
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P.O. Box 32865
12838 Gavel
Detroit, MI 48227

Phone: (313) 491-2600
 Fax: (313) 491-2601
 Received: 06/26/13 2:10 PM
 Analysis Date: 7/1/2013
 Collected:

Project: Miller Manor - 5th Floor

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
157 081301710-0072	Joint Compound				Not Analyzed
158 081301710-0073	Joint Compound				Not Analyzed
159 081301710-0074	Joint Compound				Not Analyzed
160 081301710-0075	Joint Compound				Not Analyzed
161 081301710-0076	Joint Compound				Not Analyzed
162 081301710-0077	Joint Compound				Not Analyzed
163 081301710-0078	Joint Compound				Not Analyzed
164 081301710-0079	Joint Compound				Not Analyzed

Analyst(s)

Jamie Laginess (2)

Ryan Shannon (6)

Orlando J. Ivey II (13)

Chris Dojlidko, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 07/01/2013 09:35:57



EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103
Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.emsl.com> annarborlab@emsl.com

EMSL Order: 081301710
CustomerID: AECL77
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Attn: **Jef Fox**
American Environmental Consultants
P.O. Box 32865
12838 Gavel
Detroit, MI 48227
Project: Miller Manor - 5th Floor

Phone: (313) 491-2600
Fax: (313) 491-2601
Received: 06/26/13 2:10 PM
Analysis Date: 7/1/2013
Collected:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
165 <i>081301710-0080</i>	Joint Compound				Not Analyzed
166 <i>081301710-0081</i>	Joint Compound				Not Analyzed
167 <i>081301710-0082</i>	Joint Compound				Not Analyzed

Analyst(s)

Jamie Laginess (2) *Ryan Shannon (6)*
Orlando J. Ivey II (13)

Chris Dojlidko, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Ann Arbor, MI NVLAP Lab Code 101048-4

Initial report from 07/01/2013 09:35:57



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

2013 01694

EMSL ANALYTICAL, INC.
212 S WAGNER RD
ANN ARBOR, MI 48103
PHONE: (734) 668-6810
FAX: (734) 668-8532

Company: American Environmental consultants EMSL-Bill to: Same Different
 If Bill to is Different note instructions in Comments**
 Street: 12830 Laurel
 City: Detroit State/Province: MI Zip/Postal Code: 48227 Country: _____
 Report To (Name): Jeff Fox Fax #: 313 491 2601
 Telephone #: 313 491 2600 Email Address: jfox@acemi.net
 Project Name/Number: Miller Manor
 Please Provide Results: Fax Email Purchase Order: _____ U.S. State Samples Taken: _____

Turnaround Time (TAT) Options* - Please Check
 3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hours/6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input checked="" type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) Other: <input type="checkbox"/>
--	--	---

Check For Positive Stop - Clearly Identify Homogenous Group

Samplers Name: Jeff Fox + Geraine Whiteside Samplers Signature: Geraine Whiteside

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
1-2nd ^{FIR} Hall-W	2nd FLOOR Hallway at room 214	1x1	6/25/13
2-2nd ^{FIR} Hall-W	2nd FLOOR Hallway at room 214	1x1	6/25/13
3-2nd ^{FIR} Hall-W	2nd FLOOR Hallway near laundry room	1x1	6/25/13
4-2nd ^{FIR} Lobby	2nd FLOOR Hallway near elevators	1x1	6/25/13
5-2nd ^{FIR} Hall-E	2nd FLOOR Hallway near apt 2083	1x1	6/25/13
6-2nd ^{FIR} Hall-E	2nd FLOOR Hallway - near apt 205	1x1	6/25/13
7-2nd ^{FIR} Hall	2nd FLOOR Hallway near exit	1x1	6/25/13
8-201	2nd FLOOR - Apt 201 - Kitchen	1x1	6/25/13

Client Sample # (s): _____ Total # of Samples: _____

Relinquished (Client): Geraine Whiteside Date: _____ Time: _____

Received (Lab): RS vt Date: 6/25/13 Time: 4:20

Comments/Special Instructions: Point count all results if positive - J.C. only per

Jeff



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number, (Lab Use Only):

081301694

EMSL ANALYTICAL, INC.

107 HADDON AVENUE

WESTMONT, NJ 08108

PHONE: (856) 858-4800

FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
9-201	2nd FLOOR - Apt 201 - LIVING ROOM	1 + 1	6/25/13
10-201	" " Bedroom		
11-201	" " Bedroom		
12-201	" " LIVING ROOM		
13-202	2nd FLOOR - Apt 202 - Kitchen		
14-202	" " LIVING ROOM		
15-202	" " LIVING ROOM		
16-202	" " Bedroom		
17-202	" " Bedroom		
18-205	2nd FLOOR Apt 205 - LIVING ROOM		
19-205	" " LIVING ROOM		
20-205	" " Bedroom		
21-205	" " Bedroom		
22-205	" " Kitchen		
23-206	2nd FLOOR - Apt 206 - Kitchen		
24-206	" " LIVING ROOM	↓	↓
*Comments/Special Instructions: point count all positive results			

23 vs

Page 2 of 6 pages 6/25/13 4:2



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

081301674

EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled		
25-206	2 nd FLOOR - Apt 206 - Bedroom	1 x 1	4/25/13		
26-206	" - Bedroom	↓	↓		
27-206	" Bathroom				
28-210	2 nd FLOOR - Apt 210 - Kitchen				
29-210	" Living Room				
30-210	" Living Room				
31-210	" Bedroom				
32-210	" Bathroom				
33-211	2 nd FLOOR - Apt 211 - Kitchen				
34-211	2 nd FLOOR - Apt 211 - Living Room				
35-211	" Living Room				
36-211	2 nd FLOOR - Apt 211 - Bedroom				
37-211	" - Bathroom				
38-214	2 nd FLOOR - Apt 214 - Kitchen				
39-214	2 nd FLOOR - Apt 214 - Living Room				
40-214	" - Living Room			↓	↓
*Comments/Special Instructions:					
point count all positive results					

KS ml



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

00307697

EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
41-214	2nd FLOOR - Apt 214 - Bedroom	1x1	6/25/13
42-214	2nd FLOOR - Apt 214 - Bathroom	↓	↓
43-216	2nd FLOOR - Apt 216 - Kitchen		
44-214	" - Living ROOM		
45-214	" - Living ROOM		
46-216	" - Bedroom		
47-216	" - Bathroom		
48 - Laundry ROOM	2nd FLOOR Laundry		
49 - Laundry ROOM	2nd FLOOR Laundry		
50 - Laundry ROOM	2nd FLOOR Laundry		
51-203	2nd FLOOR - Apt 203 - Living ROOM		
52-203	" "		
53-203	" - Kitchen		
54-203	" - Bedroom		
55-203	" - Bathroom		
56-204	2nd FLOOR - Apt 204 - Kitchen		
*Comments/Special Instructions: 06/25/13 4:20 Point count all positive results			



EMSL ANALYTICAL, INC.
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Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

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EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
57-204	2nd FLOOR - Apt 204 - Bedroom	1x1	4/25/13
58-204	2nd FLOOR - Apt 204 - Bathroom		
59-204	2nd FLOOR - Apt 204 - Living Room		
60-204	" "		
61-207	2nd FLOOR - Apt 207 - Kitchen		
62-207	2nd FLOOR - Apt 207 - Living Room		
63-207	2nd FLOOR - Apt 207 - Living Room		
64-207	" " Bedroom		
65-207	" " Bathroom		
66-208	2nd FLOOR - ^{Apt} 208 - Kitchen		
67-208	2nd FLOOR - ^{Apt} 208 - Living Room		
68-208	2nd FLOOR - ^{Apt} 208 - Living Room		
69-208	2nd FLOOR - ^{Apt} 208 - Bedroom		
70-208	2nd FLOOR - ^{Apt} 208 - Bathroom		
71-209	2nd FLOOR - ^{Apt} 209 - Kitchen		
72-209	2nd FLOOR - ^{Apt} 209 - Living Room	↓	↓
*Comments/Special Instructions: Point ^{to} count ^{4/25/13} all positive results			



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Asbestos Chain of Custody

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107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
73-209	2nd FLOOR - Apt 209 - Living Room	1 x 1	10/25/13
74-209	2nd FLOOR - Apt 209 - Bedroom		
75-209	2nd FLOOR - Apt 209 - Bathroom		
76-212	2nd FLOOR - Apt 212 - Kitchen		
77-212	2nd FLOOR - Apt 212 - Living Room		
78-212	2nd FLOOR - Apt 212 - Bedroom		
79-212	2nd FLOOR - Apt 212 - Living Room		
80-212	" - Bathroom		
81-213	2nd FLOOR - Apt 213 - Kitchen		
82-213	" - Living Room		
83-213	" - Living Room		
84-213	" - Bedroom		
85-213	" - Bathroom		

*Comments/Special Instructions:

Point count all positive results



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

3030710

EMSL ANALYTICAL, INC.
212 S WAGNER RD
ANN ARBOR, MI 48103
PHONE: (734) 668-6810
FAX: (734) 668-8532

Company: American Environmental consultants EMSL-Bill to: Same Different
If Bill to is Different note instructions in Comments**
Street: 12838 Grand Detroit, MI Third Party Billing requires written authorization from third party
City: _____ State/Province: _____ Zip/Postal Code: 48227 Country: _____
Report To (Name): Jef Fox Fax #: 313 491-2601
Telephone #: 313 491 2600 Email Address: jfox@aeemi.net
Project Name/Number: Miller Manor - 5th Floor
Please Provide Results: Fax Email Purchase Order: _____ U.S. State Samples Taken: _____

Turnaround Time (TAT) Options* - Please Check
 3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week
*For TEM Air 3 hours/6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input checked="" type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)	TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) Other: <input type="checkbox"/>
--	--	---

Check For Positive Stop - Clearly Identify Homogenous Group
Samplers Name: Jef Fox + Gheraine Whiteside Samplers Signature: Gheraine Whiteside

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
86	5th Floor Hallway - Between Apts 514-515	1x1	6/26/13
87	5th Floor Hallway - Near exit	↓	↓
88	5th Floor - Hallway - North wall		
89	5th Floor - Hallway - Near elevators		
90	5th Floor - Hallway Near apt 503		
91	5th Floor - Hallway near apt 505		
92	5th Floor - Hallway near apt 504		
93	apt 501 - Kitchen		

Client Sample # (s): 86-117 Total # of Samples: 82

Relinquished (Client): Gheraine Whiteside Date: 6/26/13 Time: _____

Received (Lab): D. Hurst Date: 6/26/13 Time: 2:10 PM

Comments/Special Instructions: point count all positive results walk

J.C. only per Jef



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

081301710

EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
94	Apt 501 - Living room	1x1	6/26/13
95	Apt 501 - Living room		
96	Apt 501 - Bedroom		
97	Apt 501 - Bathroom		
98	Apt 502 - Kitchen		
99	Apt 502 - Living room		
100	Apt 502 - Living room		
101	Apt 502 - Bedroom		
102	Apt 502 - Bathroom		
103	Apt 503 - Kitchen		
104	Apt 503 - Living room		
105	Apt 503 - Living room		
106	Apt 503 - Bedroom		
107	Apt 503 - Bathroom		
108	Apt 504 - Kitchen		
109	Apt 504 - Living room	✓	✓

*Comments/Special Instructions:

point count all positive results
O.J. [signature] 6/26/13 2:10 pm

Page 2 of 6 pages

wall m



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Asbestos Chain of Custody
EMSL Order Number (Lab Use Only):

081301710

EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
110	Apt 504 - Living room	1x1	6/26/13
111	Apt 504 - Bedroom		
112	Apt 504 - Bathroom		
113	Apt 505 - Kitchen		
114	Apt 505 - Living room		
115	Apt 505 - Living room		
116	Apt 505 - Bedroom		
117	Apt 505 - Bathroom		
118	Apt 508 - Kitchen		
119	Apt 508 - Living room		
120	Apt. 508 - Living room		
121	Apt. 508 - Bedroom		
122	Apt 508 - Bathroom		
123	Apt 509 - Kitchen		
124	Apt 509 - Living room		
125	Apt 509 - Living room		

*Comments/Special Instructions:

point count all positive results
D. J. King Jr 6/26/13 2:10pm

Page 3 of 4 pages

walk in



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

081301710

EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
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Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
126	Apt 509 - Bedroom	1x1	6/26/13
127	Apt 509 - Bathroom		
128	Apt 510 - Kitchen		
129	Apt 510 - Living room		
130	Apt 510 - Living room		
131	Apt 510 - Bedroom		
132	Apt 510 - Bathroom		
133	Apt 511 - Kitchen		
134	Apt 511 - Living room		
135	Apt 511 - Living room		
136	Apt 511 - Bedroom		
137	Apt 511 - Bathroom		
138	Apt 512 - Kitchen		
139	Apt 512 - Living room		
140	Apt 512 - Living room		
141	Apt 512 - Bedroom	↓	↓

*Comments/Special Instructions:

point count all positive results
O. J. Mgr. 6/26/13 2:10 pm

walk in



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

0830710

EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
142	Apt 512 - Bathroom	1x1	6/26/13
143	Apt 513 - Kitchen		
144	Apt 513 - Living room		
145	Apt 513 - Living room		
146	Apt 513 - Bedroom		
147	Apt 513 - Bathroom		
148	Apt 514 - Kitchen		
149	Apt 514 - Living room		
150	Apt 514 - Living room		
151	Apt 514 - Bedroom		
152	Apt 514 - Bathroom		
153	Apt 515 - Kitchen		
154	Apt 515 - Living room		
155	Apt 515 - Living room		
156	Apt 515 - Hallway		
157	Apt 515 - Bathroom	↓	↓

*Comments/Special Instructions:

point count all positive results
O.J. King I 6/26/13 2:10pm

Page 5 of 6 pages

walk in

Appendix C Site Photographs



**AMERICAN
ENVIRONMENTAL
CONSULTANTS, L.L.C.**

PHOTOGRAPHIC LOG

12838 Gavel, Detroit, MI 48227 Phone: 313-491-2600 Fax: 313-491-2601

Site Name:	Miller Manor	Project Number:	1459-13004
Street Address:	727 Miller Ave.	City, State, Zip:	Ann Arbor, MI 48103

Photo Number:
1

Photographer:
Jef Fox

Date:
April 24- April 26, 2013

Description:

ACM-12" x 12" Blue And
White Floor Tile-Mastic
Only



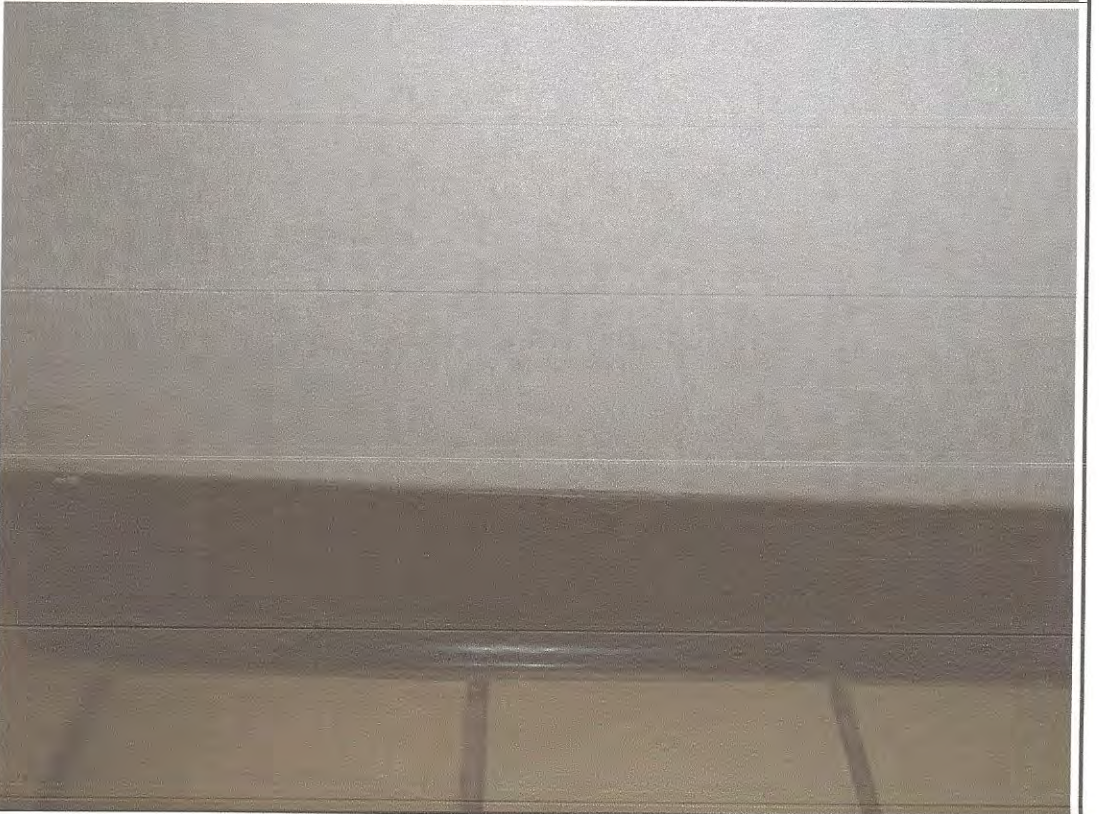
Photo Number:
2

Photographer:
Jef Fox

Date:
April 24- April 26, 2013

Description:

ACM-Joint Compound





**AMERICAN
ENVIRONMENTAL
CONSULTANTS, L.L.C.**

PHOTOGRAPHIC LOG

12838 Gavel, Detroit, MI 48227 Phone: 313-491-2600 Fax: 313-491-2601

Site Name:	Miller Manor	Project Number:	1459-13004
Street Address:	727 Miller Ave.	City, State, Zip:	Ann Arbor, MI 48103

Photo Number:
3

Photographer:
Jef Fox

Date:
April 24- April 26, 2013

Description:

ACM-12" x 12" Floor tile-
White Splotch

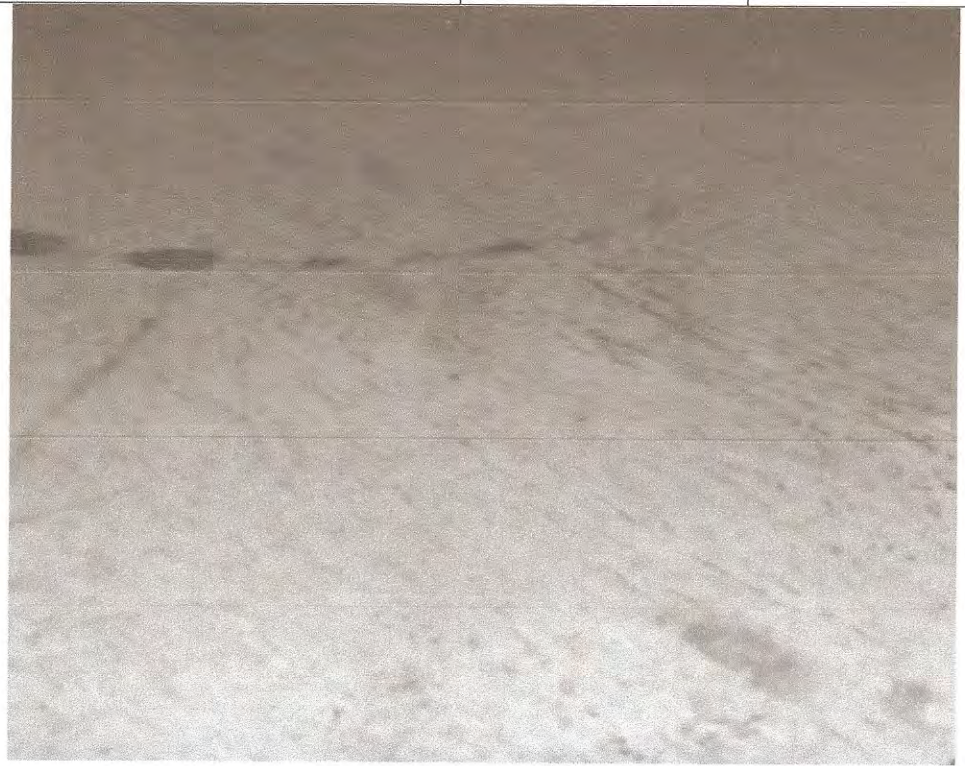


Photo Number:
4

Photographer:
Jef Fox

Date:
April 24- April 26, 2013

Description:

ACM-Sink Glazing





**AMERICAN
ENVIRONMENTAL
CONSULTANTS, L.L.C.**

PHOTOGRAPHIC LOG

12838 Gavel, Detroit, MI 48227 Phone: 313-491-2600 Fax: 313-491-2601

Site Name:	Miller Manor	Project Number:	1459-13004
Street Address:	727 Miller Ave.	City, State, Zip:	Ann Arbor, MI 48103

Photo Number:
5

Photographer:
Jef Fox

Date:
April 24- April 26, 2013

Description:

ACM-Grey Cement Caulk



Photo Number:
6

Photographer:
Jef Fox

Date:
April 24- April 26, 2013

Description:

ACM-2x4 Pinhole Fissured
Ceiling Tile

