



AGENDA

Building and Property Committee

Tuesday, December 7, 2010

10:00 a.m.

Jury Assembly Room

Lower Level, Courthouse Annex

1. Call meeting to order
2. Approve agenda
3. Public Comment – Speakers will be limited to 5 minutes
4. Approve minutes of November 2, 2010 – Please review website posting/County Board packet
5. Discuss/consider existing aspects of Marinette County Fair Association and Fairgrounds lease and relationship between Marinette County and the Association, including but not limited to determination of level of County involvement, renegotiation of the Association, County, Town and Village Fairgrounds lease, negotiation of a Fair Association/County agreement, and authorization of an outside audit, action if any
6. Discuss/consider alternatives and options for repair of roof and fascia at Niagara Senior Citizens Center, action if any
7. Discuss/consider proposed change orders for the Courthouse EECEBG/Chiller project and forward contract to County Board, action if any (attachment)
8. Discuss/consider recommendation to County Board Courthouse EECEBG/chiller project 100% milestone, action if any
9. Discuss/consider results from air and swab sampling at courthouse, action if any (attachment)
10. Discuss/consider 30% submission of HHS back-up generator, action if any
11. Discuss/consider increasing number of handicap parking spaces at the Marinette County Courthouse, action if any (attachment)
12. Discuss/consider entering into a contract with Schindler Elevator for lubrication and inspection of elevators at Courthouse, Library, Human Services, Ella court Center and UW Marinette buildings, contingent upon Corporation Counsel's review, action if any
13. Discuss/consider issuing a RFP for model year 2011 motor pool vehicles, action if any
14. Discuss Facilities Director report:
 - Division labor forecast
 - Projected maintenance and repairs
 - Utilities cost update
 - Motor pool metrics
14. Future agenda items
15. Set next meeting date
16. Adjournment

cc: Mike Behnke Facilities Director Media
Russ Bousley County Board Chair Posting
Mike Cassidy County Administrator Library Director
Vilas Schroeder Corporation Counsel Public Works Director
Bill Walker County Clerk

**PLEASE NOTE: AGENDA ITEMS MAY NOT BE CONSIDERED AND ACTED UPON
IN THE ORDER LISTED**

If you are an individual who needs a special accommodation while attending the meeting as required by the "Americans With Disabilities Act", please notify County Clerk Kathy Brandt, Marinette County Courthouse (715-732-7406) at least 24 hours prior to the meeting in order to make suitable arrangements. Thank you. (TDD 715-732-7760)

1926 Hall Avenue, Marinette, WI 54143-1717



ENGINEERING WITH ENERGY AND ENVIRONMENTAL CONSCIENCE

808 Winding Waters Way, De Pere, WI 54115; www.andhole.com

Contact: Tilak Andhole, PE, LEED AP; Ph: 920-205-0042; e-mail: tilak@andhole.com

November 2, 2010 Revised 11-10-2010

Shawn B. Baker, Facilities Director
Marinette County
1926 Hall Avenue
Marinette, WI 54143-1717

CHANGE ORDER #1
Improvements to Marinette County Courthouse.

Dear Shawn:

The work on the following 2 items is a change from the contracted work to Andhole Engineering LLC (AEL).

- A. Alternate for Single Chiller option. We will include an alternate (deduct) in our drawings to include the single chiller replacement of existing chiller. The Base bid will still show the 2 smaller chillers replacing the existing chiller. Andhole Engineering LLC's Change Order for this effort is \$990 (Nine Hundred and Ninety dollars).
- B. Focus on Energy (FOE) Rebates Coordination. In our original proposal, we did not include any effort regarding the rebates from Focus on Energy. As part of this effort AEL will coordinate with FOE representative the items that qualify for rebate, and fill out the appropriate technical information needed for FOE application etc. It appears that the chillers qualify for a rebate amount in the range of \$9,000 - \$13,000. Also it appears that the window film may qualify for custom incentive. Andhole Engineering LLC's Change Order for this effort is \$500 (Five hundred dollars).

Original Contract amount for PSE = \$14,995.00
Change Order item A above = \$990.00
Change Order item B above = \$500.00
Revised Contract amount for PSE = \$16,485.00

If this Change Order meets with your approval, please authorize this change in writing with your signature. After your signature this change order will become part of the contract between Andhole Engineering LLC and Marinette County.

Respectfully Submitted,

Andhole Engineering LLC

Tilak M. Andhole, PE, LEED AP
President & Mechanical Engineer

Marinette County, WI

Shawn Baker/ County Official
Facilities Director



102 W. Washington Street, Suite 217 Marquette, MI 49855

906-228-6061 • 800-862-6061 • Fax: 906-228-7144

November 9, 2010

Mr. Shawn Baker
Facilities Director
Marinette County
1926 Hall Avenue,
Marinette, WI 54143-1717

RE: MARINETTE COUNTY COURTHOUSE – INDOOR AIR QUALITY TESTING

Dear Mr. Baker:

As authorized, U.P. Engineers & Architects, Inc. has conducted a mold evaluation for the Marinette County Courthouse. The scope of work included the collection of ten air and five swab samples for laboratory analysis of mold and this letter report with the findings. The air sampling and surface swab sampling of the Courthouse were conducted on October 20, 2010.

FIELD SAMPLING

AIR SAMPLING

The areas of interest for the air monitoring included halls located in the courthouse building and the annex, the printing room in the courthouse building and a cubical area in the annex (see attached floor plans with sample locations). These sample locations were selected prior to the sampling site visit by the Facilities Department. The intent of the sampling was to provide a general overview of the indoor air quality fungal counts. A background air sample was also collected outside the west entrance to the building. The outdoor background air sample was collected on the west side of the building since the wind during the sampling event was from the west. By collecting the sample on the upwind side of the building there would be no impacts on the outdoor air quality sample resulting from the courthouse building. The intent of collecting the outdoor air sample was to provide a background air sample for comparison with the indoor air sample laboratory results.

The air samples were collected using an ambient air pump connected to an air-o-cell cassette supplied by the laboratory. Each sample was collected by running the pump for eight minutes at a rate of fifteen liters per minute. Air was pulled through the cassette where mold was collected on the sample plate.

No mold was observed on the wall, floor, or ceiling surfaces surrounding the sampling areas. Minor water-staining on ceiling tiles was observed near a portion of the sampling locations.

Offices also in:
Houghton
Iron Mountain
Sault Ste Marie
Marinette

U.P. Engineers & Architects, Inc.

www.UPEA.com

SWAB SAMPLING

The areas of interest for the swab sampling were the five air handling units which supply the air for Courthouse, Annex, and printing room in the Courthouse. Swabs supplied by the laboratory were swabbed against the filters, coils, and inside surface of the filtration units for each air handler to gather a composite sample representing each air handler. The intent of the filtration is to remove a significant portion of the dust, fungi, yeast, and bacteria which is present in the air prior to distributing the heated or cooled air throughout the building. The filtration units and coils are also susceptible to mold due to the condensation of water when the air conditioning portion of the system is active.

Mold was not observed in association with filtration units except for the Printing Room air handler which had what appeared to be mold on the inside of the access panel.

The air-o-cell cassettes and swab samples were submitted with a chain-of-custody via a courier to EMSL Analytical, Inc. for laboratory examination. The air-o-cell cassettes were analyzed through microscopic examination, Air-O-Cell Analysis of Fungal Spores and Particulates by Optical Microscopy (EMSL Method: M05-TP-003). The swab samples were cultured and analyzed through microscopic examination, Identification and Enumeration of Culturable Fungi by Swab (Genus Level ID (EMSL Method: M005)).

LABORATORY RESULTS AND DISCUSSION

AIR SAMPLES

The indoor samples show the presence of up to eight different genera of fungi and the outdoor background sample had eleven different genera of fungi, see attached laboratory report. All spore counts were lower in the indoor air samples than the outdoor sample except for one spore type, Ganoderma, which had the same count in Sample A collected from room A012, Sample B collected in room A127, and Sample D collected in room A220 as the outdoor air sample, Sample J.

The presence of fungal spores in indoor air samples is common. Most buildings have fungal spores present inside the building. Therefore, the presence of fungal spores in the indoor air samples is not alarming, especially given the fact that outdoor spore counts exceed indoor spore counts with the exception of Ganoderma. Ganoderma spore count was the same in three of nine indoor samples and the outdoor sample, the remaining six indoor samples did not have Ganoderma detected. The rest of the spore counts were 1.5 to 92 times less in the indoor samples when compared to the outdoor sample. With that being said, people react differently to fungal spore counts and develop symptoms on an individual basis, which makes it difficult to determine "safe" or "unsafe" indoor air fungal spore levels. Furthermore, it should also be noted that the spore counts indoors may fluctuate daily due to the air flow patterns created by the opening and closing of doors and windows, cleaning practices, and proportions of indoor air versus outdoor air utilized by the air handler which varies with weather conditions. In addition, seasonal changes may affect the indoor and outdoor spore counts. Background levels of spore types are typically higher in the spring and fall.

SWAB SAMPLES

The swab samples collected from the five air handlers show the presence of up to two fungal types, bacteria, and yeast, see attached laboratory report. Cladosporium was identified in all five air handlers. Penicillium species was identified in three of the air handlers. Bacteria were identified in the four indoor air handlers. Yeast was identified in all five air handlers.

Penicillium and Cladosporium are typically a lower health concern when compared to other fungal species. Like other molds of higher concern, Cladosporium and Penicillium can produce mycotoxins which are capable of causing health problems. As discussed above with the air samples, people react differently to fungal spore counts and develop symptoms on an individual basis. Therefore there is the potential for Cladosporium and/or Penicillium mycotoxins having health effects on some people.

The bacteria identified in four of the five swab samples were not identified to the genus or species levels for this fungal count. A bacteria analysis can be completed for these five samples if requested within three months of the sample date.

As can be observed in the number of colony forming units identified on the swab sample cultures, the concentrations vary among the five air handlers. This can partially be a result of the when the last time the filters were changed in each of the air handlers. As discussed during the sampling, the filters are changed quarterly and were in the process of being changed. Therefore the air handlers with higher concentrations may have also been the units which were yet to have the filters changed and the air handlers with lower concentrations may have had the filter recently changed.

CONCLUSIONS

Based on the results, it can be concluded that the air inside the Courthouse building and the Annex was 1.5 to 91 times cleaner with respect to fungal spore counts than the outdoor air upwind of the building on October 20, 2010. There were no visible signs of fungal growth in the areas of indoor air sampling, however, minor water stains were observed on ceiling tiles. While Penicillium and Cladosporium were identified in the swab samples, the concentrations measured in the air samples were well below outdoor air concentrations. In air samples, Aspergillus and Penicillium cannot be identified from one another. Since the air handler swab samples only found Penicillium, it is more likely that the indoor air samples contained Penicillium as opposed to Aspergillus. To confirm this, additional sampling and testing would be needed.

The air samples suggest there is not an indoor air quality problem associated with mold in the air of the Courthouse or Annex buildings. However, the air samples cannot indicate how individuals will react to such conditions or what symptoms they may develop. The air samples simply suggest there is a higher concentration of fungal spores in the outdoor air upwind of the Courthouse and Annex buildings when compared to the indoor air in the Courthouse and Annex buildings.

Mr. Shawn Baker
Page 4 of 4
November 9, 2010

The air handler filter replacement timing likely influences the fungal, bacteria, and yeast counts on the swab samples. A portion of the filters appeared to be recently replaced while others were due for replacement on the current three month rotation. Since a portion of the filters were not changed, a better comparison among the air handlers could be made if the filter replacements were coordinated and considered when scheduling future swab sampling. However, the volume of air being passed through the air handler can significantly impact the appearance of the filters and the fungal, bacteria, yeast and dust concentrations.

UPEA appreciated the opportunity to perform these environmental services for Marinette County. Thank you for selecting U.P. Engineers & Architects, Inc. for this environmental investigation. If you have any questions or comments regarding the information presented, or if we can be of further assistance please contact me at (906) 228-6061. Thank you.

Sincerely,

U.P. ENGINEERS & ARCHITECTS, INC.

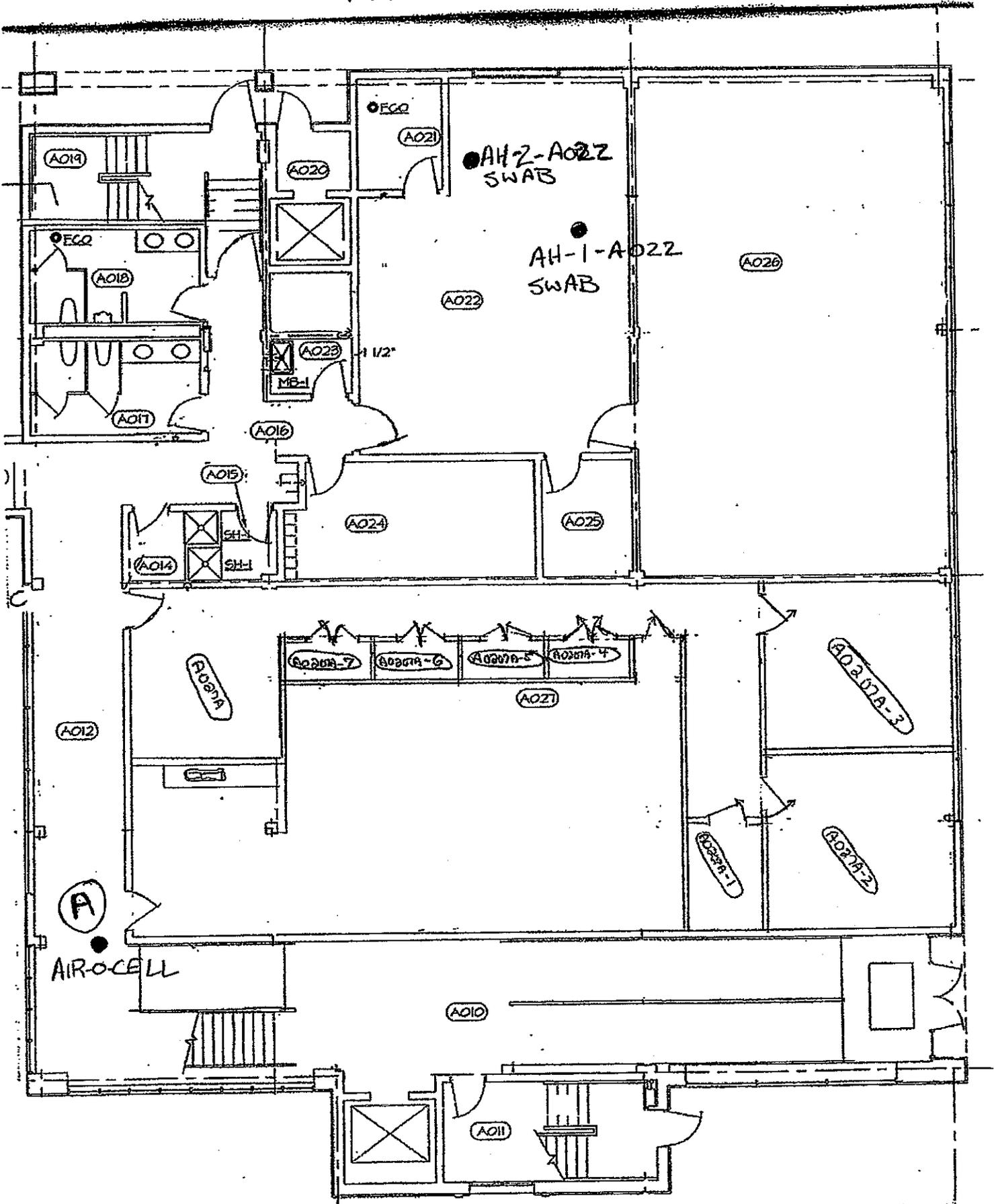


R. Robb Cookman, P.E.
Geo-Environmental Engineer

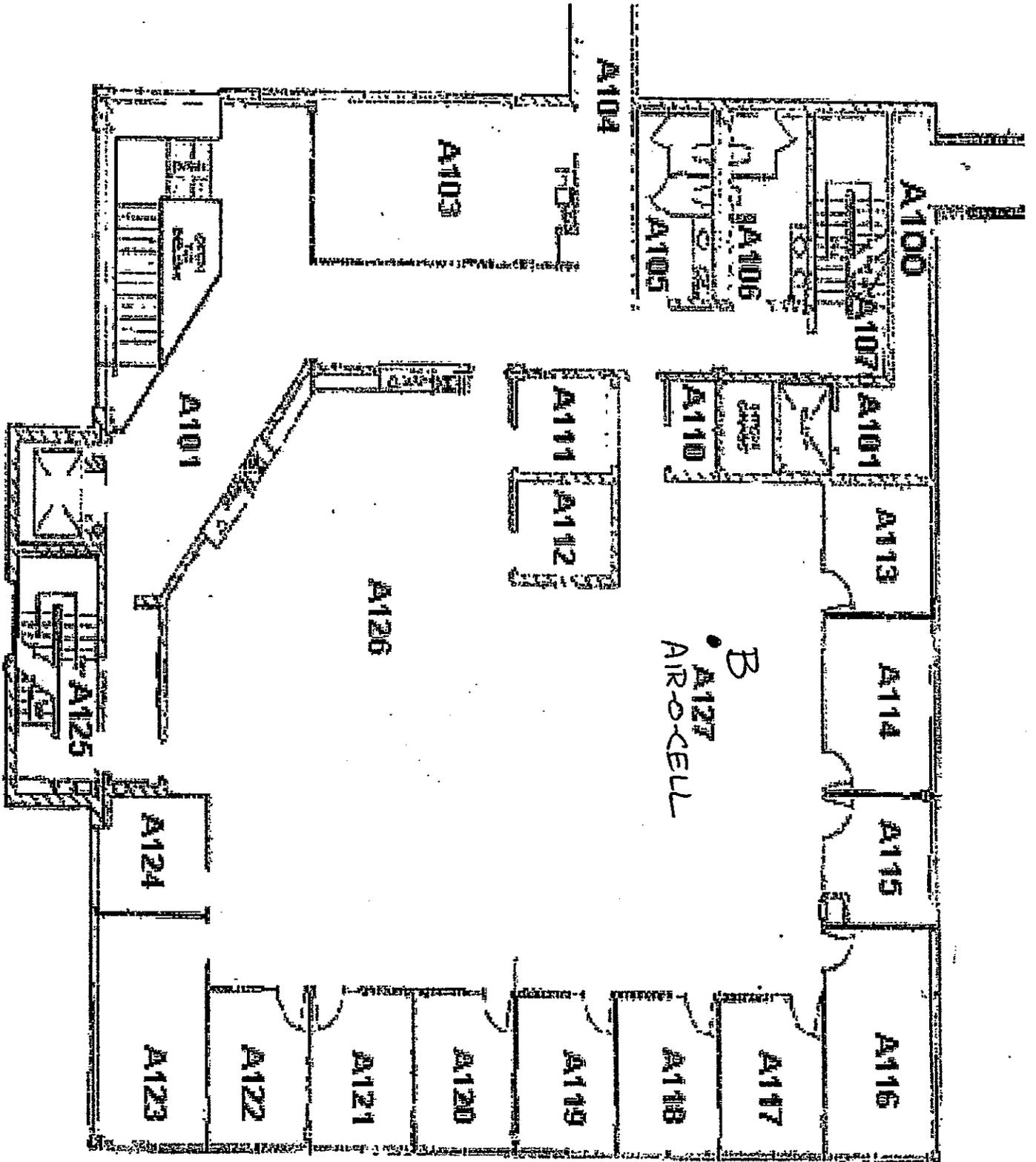
Enclosures: Floor Plans with Sample Locations and Laboratory Results

Cc: Bill Griffin, PhD, P.E., Project Manager

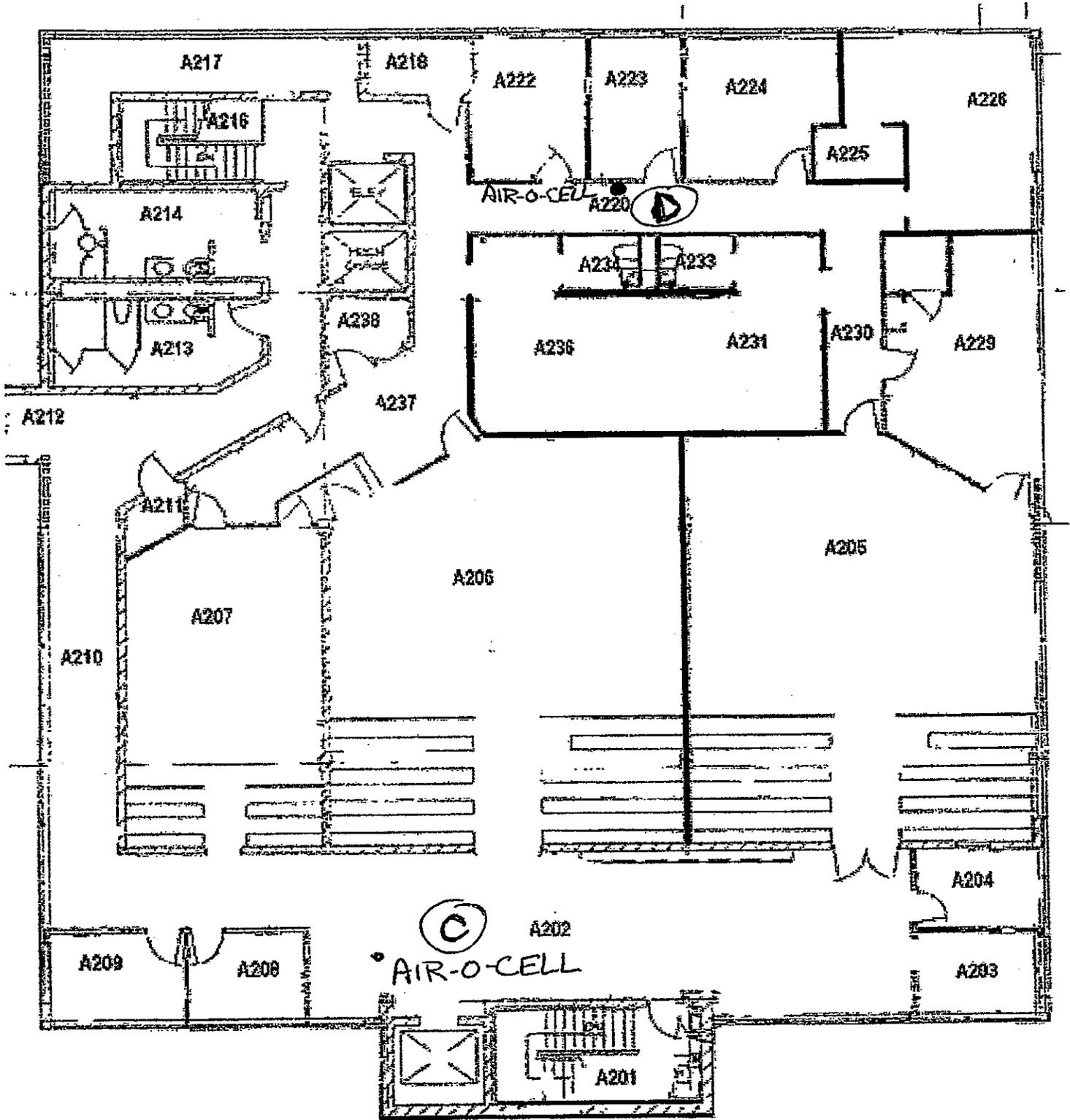
Attachment #2

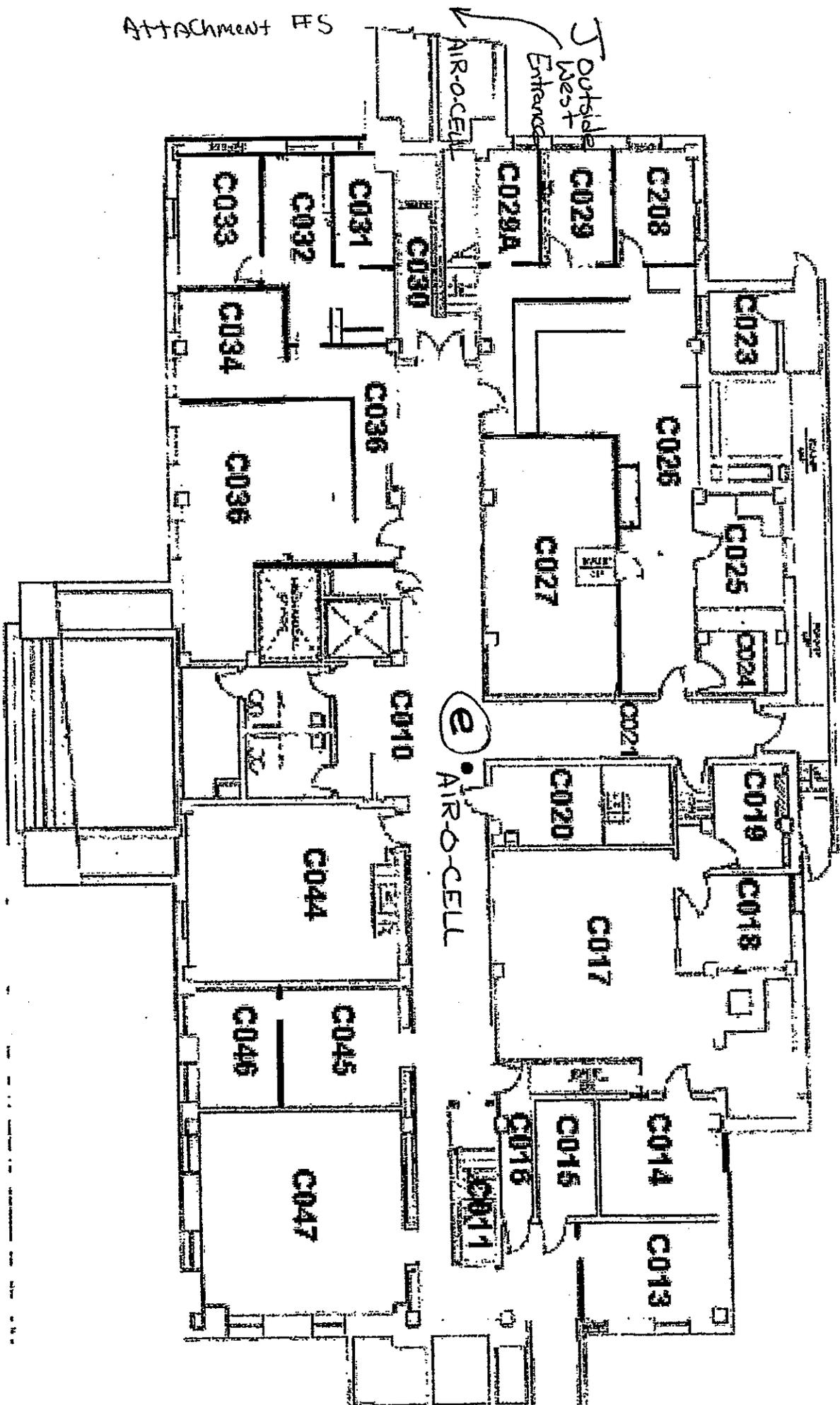


Attachment #3

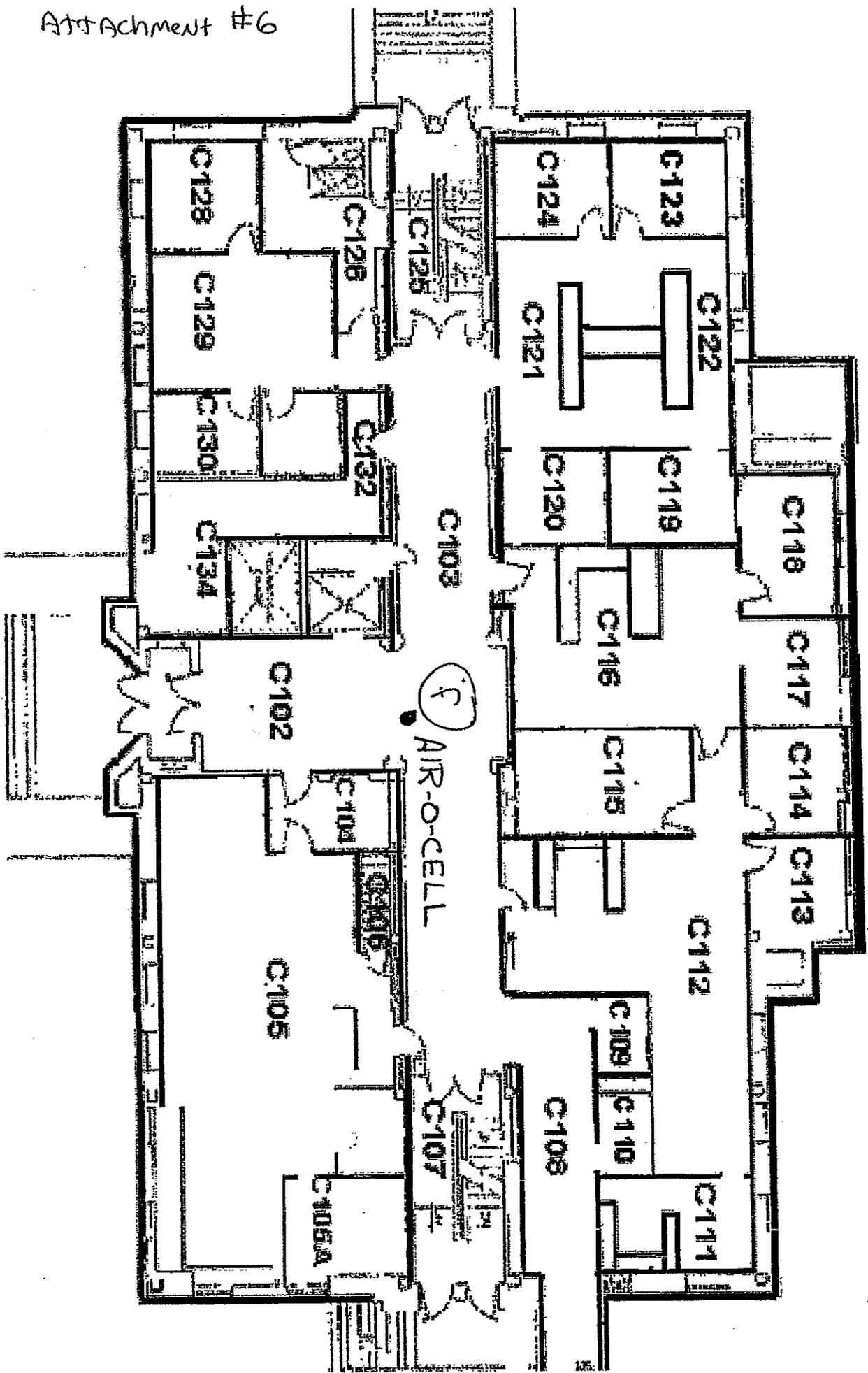


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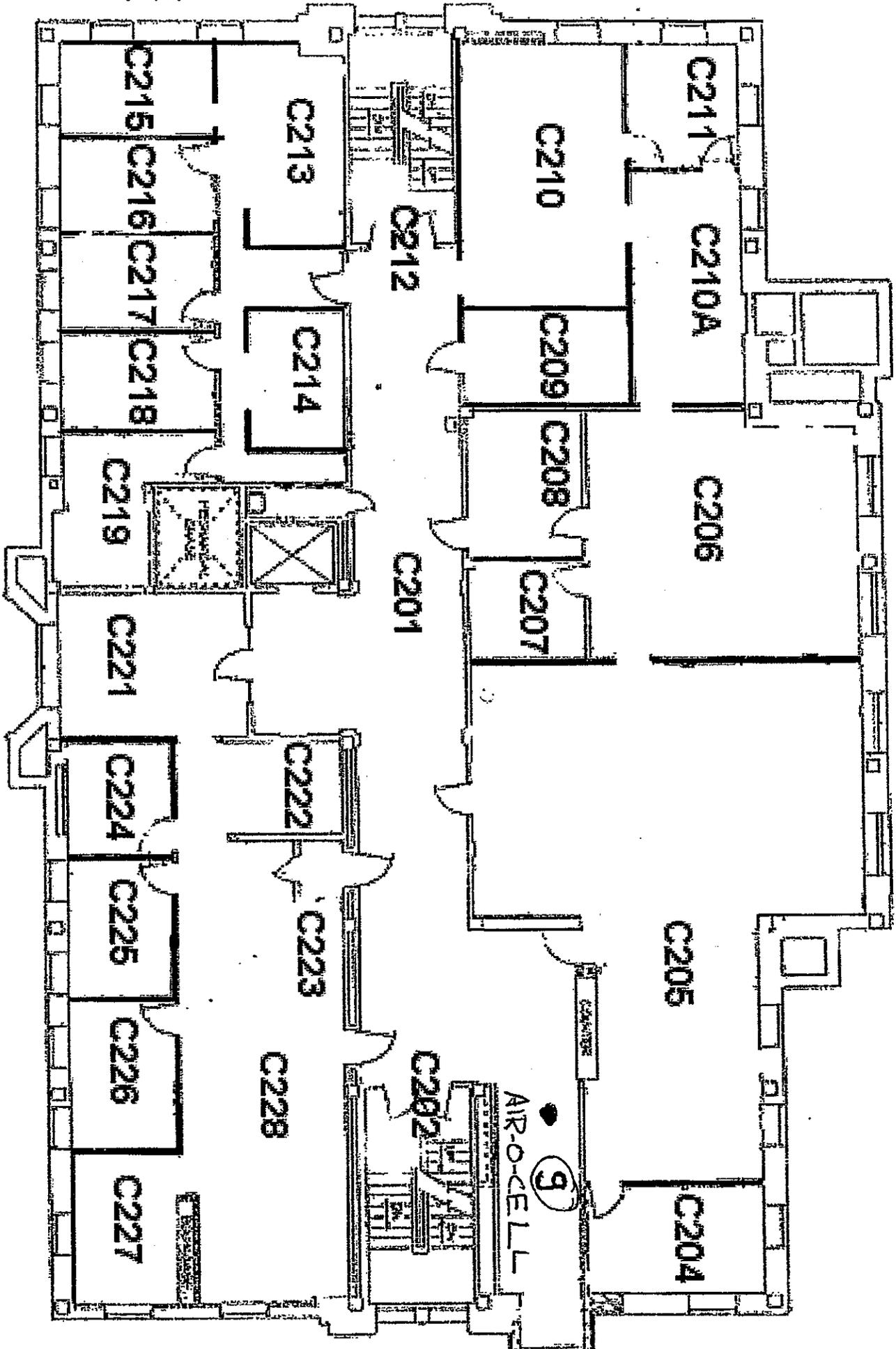




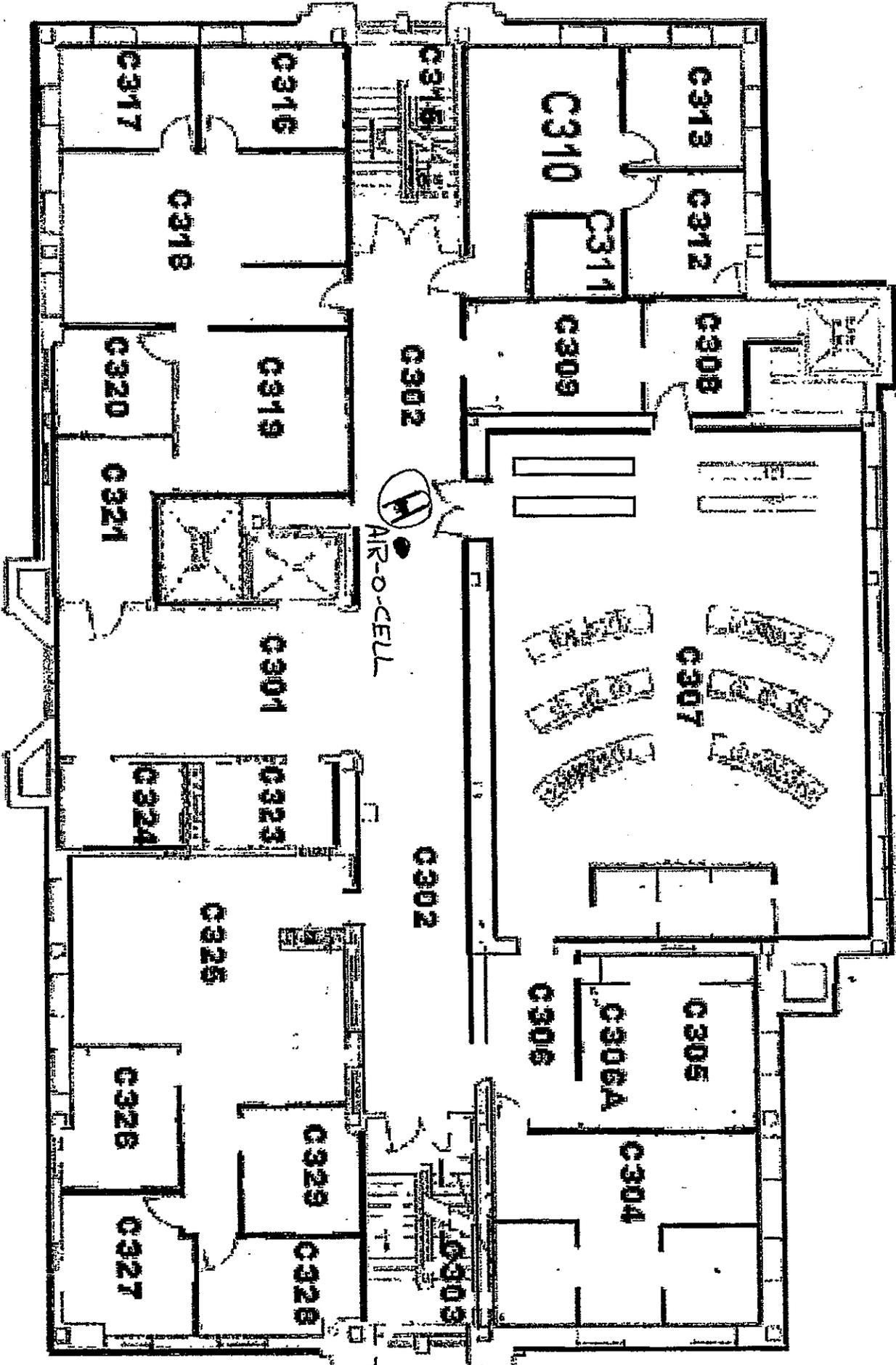
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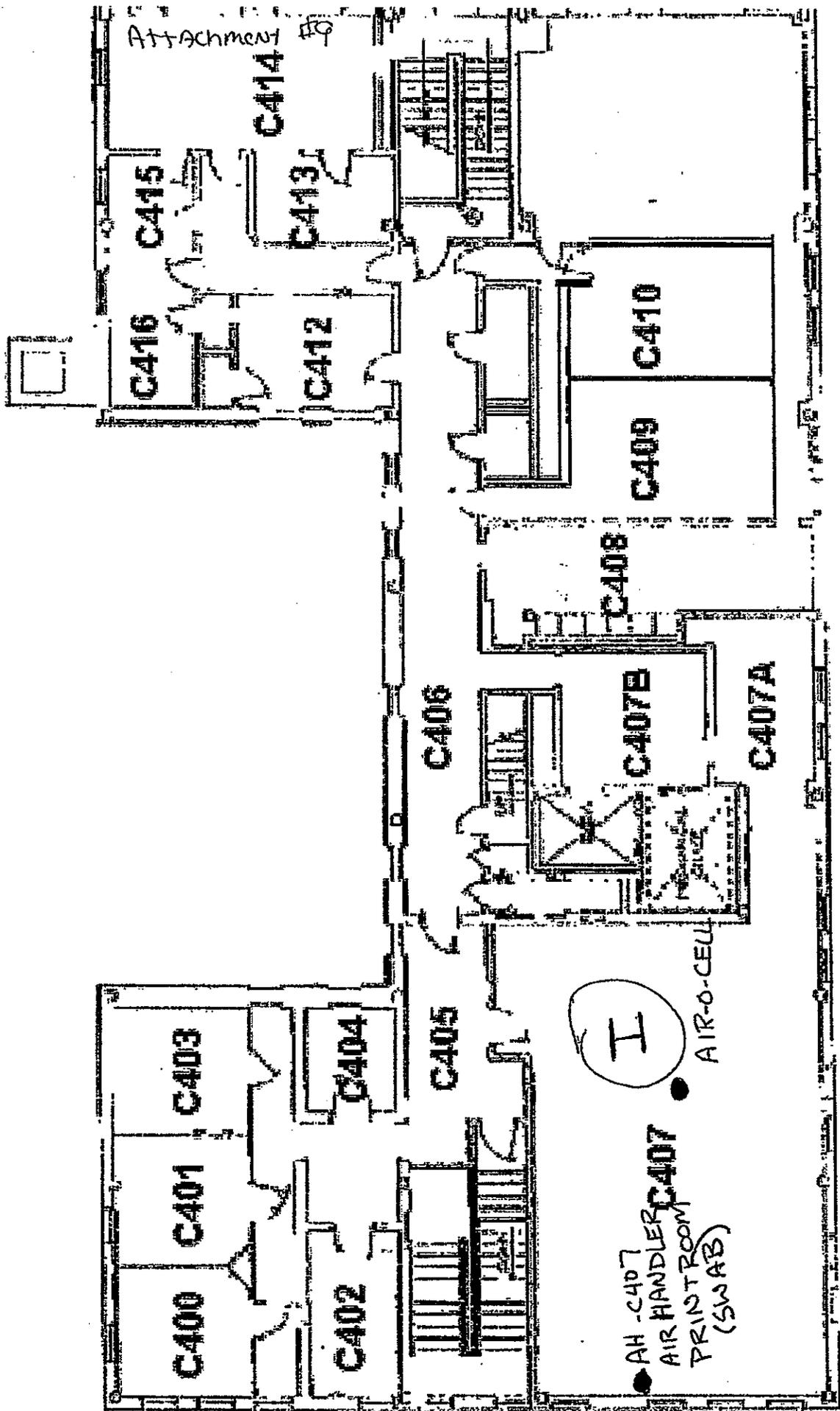
21



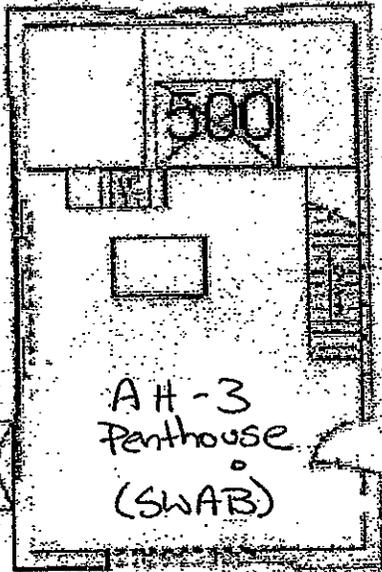
Attachment #8



14



(ON ROOF)
AHCBR - Roof top
County Board Room
● AIR HANDLER
(SWAB)



AH-3
Penthouse
●
(SWAB)



EMSL Analytical, Inc.

2001 East 52nd St. Indianapolis, IN 46205

Phone: (317) 803-2997

Fax: (317) 803-3047

Web: <http://www.emsl.com>

Email: indianapolislab@emsl.com

Attn: Robb Cookman
 U.P. Engineers & Architects, Inc.
 1701 Duniap Avenue
 Suite B
 Marinette, WI 54143

EMSL Order: 161018539
 Customer ID: UPEA85
 Collected: 10/20/2010
 Received: 10/21/2010
 Analyzed: 10/27/2010

Proj: M128-10484

Test Report: Air-O - Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (EMSL Method 05-TP-003)

Lab Sample Number:	161018539-0001			161018539-0002			161018539-0003		
Client Sample ID:	G			D			G		
Volume (L):	120			120			120		
Sample Location:	A.202			A.220			G.202		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	-	-	-	1	26	9.6
Ascospores	1	26	18.7	1	26	6.1	1	26	9.6
Aspergillus/Penicillium	2	53	38.1	1	26	6.1	2	53	19.6
Basidiospores	1*	8*	5.8	2	53	12.4	1*	8*	3
Bipolaris**	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	1	26	18.7	10	264	61.5	5	132	48.7
Curvularia	-	-	-	-	-	-	-	-	-
Epilobocum	1	26	18.7	-	-	-	1	26	9.6
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	1	26	6.1	-	-	-
Myxomycetes**	-	-	-	-	-	-	-	-	-
Rhizomyces	-	-	-	-	-	-	-	-	-
Rust	-	-	-	1*	8*	1.9	-	-	-
Scolecariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Terula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	1	26	6.1	-	-	-
Oldium	-	-	-	-	-	-	-	-	-
Total Fungi	6	139	100	17	429	100	11	271	100
Hypetal Fragment	-	-	-	1	26	-	1	26	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	26	-	-	26	-	-	26	-
Analyt. Sensitivity 300x	-	8*	-	-	8*	-	-	8*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-6)	-	3	-	-	3	-	-	2	-

Initial report from: 10/27/2010 17:40:16

Bipolaris** = Bipolaris/Dreschlera/Exserohilum

Myxomycetes** = Myxomycetes/Periconia/Smut

No discernible field blank was submitted with this group of samples.

Samples analyzed by EMSL Analytical, Inc. 2001 East 52nd St., Indianapolis IN 46245. UIC-EMLAP 157245.

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to the fungal spore, structure, pollen, fiber particle or insect fragment. ** Denotes particles found at 300x. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Dr. Achyut Sharma
 or Other Approved Signatory

For information on the fungi listed in this report please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

2001 East 52nd St. Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Web: <http://www.emsl.com> Email: indianapolislabs@emsl.com

Attn: Robb Cookman
 U.P. Engineers & Architects, Inc.
 1701 Dunlap Avenue
 Suite B
 Marinette, WI 54143

EMSL Order: 161018539
 Customer ID: UPEA85
 Collected: 10/20/2010
 Received: 10/21/2010
 Analyzed: 10/27/2010

Proj: M128-10484

Test Report: Air-O - Cell(™) Analysis of Fungal Spores & Particulates by Optical Microscopy (EMSL Method 05-TP-003)

Lab Sample Number:	161018539-0004			161018539-0005			161018539-0006		
Client Sample ID:	A			B			F		
Volume (L):	120			120			120		
Sample Location:	A 012			A 127			C 102		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-
Ascospores	1	26	9.9	1	26	11.9	1	26	6.2
Aspergillus/Penicillium	1	26	9.9	1	26	11.9	2	53	12.6
Basidiospores	2	53	20.2	3	79	36.2	6	158	37.6
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	4	105	40.1	2	53	24.3	4	105	25
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	1	26	6.2
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	1	26	9.9	1	26	11.9	-	-	-
Myxomycetes++	1	26	9.9	-	-	-	1	26	6.2
Pithomyces	-	-	-	-	-	-	-	-	-
Rust	-	-	-	1*	8*	3.7	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Tortula	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	10	262	100	9	218	100	16	420	100
Hyphal Fragment	1	26	-	1	26	-	-	-	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	26	-	-	26	-	-	26	-
Analyt. Sensitivity 300x	-	8*	-	-	8*	-	-	8*	-
Skin Fragments (1-4)	-	1	-	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	3	-	-	2	-

Initial report from: 10/27/2010 17:40:16

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum

Myxomycetes++ = Myxomycetes/Periconia/Stent

No discernable field blank was submitted with this group of samples.

Samples analyzed by EMSL Analytical, Inc. 2001 East 52nd St. Indianapolis IN 46205 AIHA-LAP, LLC - EMLAP 157245

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber, particle or insect fragment. * Denotes particles found at 600x. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Dr. Achyut Sharma
 or Other Approved Signatory

For Information on the fungi listed in this report please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

2001 East 52nd St. Indianapolis, IN 46205

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Email: indianapolislab@emsl.com

Attn: Robb Cookman
 U.P. Engineers & Architects, Inc.
 1701 Dunlap Avenue
 Suite B
 Marinette, WI 54143

EMSL Order: 161018539
Customer ID: UPEA85
Collected: 10/20/2010
Received: 10/21/2010
Analyzed: 10/27/2010

Proj: M128-10484

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (EMSL Method 05-TP-003)

Lab Sample Number:	161018539-0007			161018539-0008			161018539-0009		
Client Sample ID:	H			I			E		
Volume (L):	120			120			120		
Sample Location:	C-302			C-407			C-010		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	-	-	-	-	-	-
Ascospores	1	26	6.6	-	-	-	1	26	5.2
Aspergillus/Penicillium	2	53	13.4	-	-	-	1	26	5.2
Basidiospores	1	26	6.6	1	26	50	3	79	15.8
Bipolaris++	-	-	-	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-	-	-	-
Cladosporium	11	290	73.4	1	26	50	14	369	73.8
Curvularia	-	-	-	-	-	-	-	-	-
Epicoccum	-	-	-	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-	-	-	-
Ganoderma	-	-	-	-	-	-	-	-	-
Myxomycetes++	-	-	-	-	-	-	-	-	-
Rhizomyces	-	-	-	-	-	-	-	-	-
Rust	-	-	-	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-	-	-	-
Tecella	-	-	-	-	-	-	-	-	-
Ulocladium	-	-	-	-	-	-	-	-	-
Unidentifiable Spores	-	-	-	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-	-	-	-
Cercospora	-	-	-	-	-	-	-	-	-
Oidium	-	-	-	-	-	-	-	-	-
Total Fungi	15	395	100	2	52	100	19	500	100
Hyphal Fragment	1	26	-	1	26	-	1	26	-
Insect Fragment	-	-	-	-	-	-	-	-	-
Pollen	-	-	-	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	26	-	-	26	-	-	26	-
Analyt. Sensitivity 300x	-	8*	-	-	8*	-	-	8*	-
Skin Fragments (1-4)	-	1	-	-	1	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-	-	1	-
Background (1-5)	-	2	-	-	2	-	-	2	-

Initial report from: 10/27/2010 17:40:16

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut

No discernable field blank was submitted with this group of samples.

Samples analyzed by: EMSL Analytical, Inc. 2001 East 52nd St., Indianapolis IN 46205 (A)HA-LAP, U.C.-EM-LAP-157245

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. ++ Denotes particles found at 300X. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

A. Sharma

Dr. Achyut Sharma
 or Other Approved Signatory

For information on the fungi listed in this report please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

2001 East 52nd St. Indianapolis, IN 46205

Phone: (317) 803-2997

Fax: (317) 803-3047

Web: <http://www.emsl.com>

Email: indianapolislab@emsl.com

Attn: Robb Cookman
 U.P. Engineers & Architects, Inc.
 1701 Dunlap Avenue
 Suite B
 Marinette, WI 54143

EMSL Order: 161018539
 Customer ID: UPEA85
 Collected: 10/20/2010
 Received: 10/21/2010
 Analyzed: 10/27/2010

Proj: M128-10484

Test Report: Air-Q - CellTM Analysis of Fungal Spores & Particulates by Optical Microscopy (EMSL Method 05-TP-003)

Lab Sample Number:	161018539-0010		
Client Sample ID:	J		
Volume (L):	120		
Sample Location:	Outside West Entrance		
Spore Types	Raw Count	Count/m³	% of Total
Alternaria	4	105	2.1
Asco spores	47	1240	24.7
Aspergillus/Penicillium	3	79	1.6
Basidiospores	28	738	14.7
Bipolaris++	-	-	-
Chaetomium	-	-	-
Cladosporium	90	2370	47.1
Curvularia	-	-	-
Epicoccum	2	53	1.1
Fusarium	-	-	-
Ganoderma	1	26	0.5
Myxomycetes++	10	264	5.3
Pithomyces	1	26	0.5
Rust	3	79	1.6
Scopulariopsis	-	-	-
Stachybotrys	-	-	-
Torula	-	-	-
Ulocladium	-	-	-
Unidentifiable Spores	-	-	-
Zygomycetes	-	-	-
Cercospora	2	53	1.1
Oidium	-	-	-
Total Fungi	191	5050	100
Hyphal Fragment	17	448	
Insect Fragment	1	26	
Pollen	-	-	-
Analyt. Sensitivity 600x	-	26	
Analyt. Sensitivity 300x	-	8*	
Skin Fragments (1-4)	-	1	
Fibrous Particulate (1-4)	-	1	
Background (1-5)	-	3	

Initial report from: 10/27/2010 17:40:16

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut

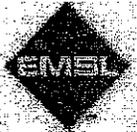
No discernable field blank was submitted with this group of samples.

Samples analyzed by EMSL Analytical, Inc. 2001 East 52nd St. Indianapolis IN 46205 (NAHA-LAP, LLC - EMEAP 157245)

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 0 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present + Spores detected on overloaded samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. *** Detects particles found at 300X. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection techniques or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Dr. Achyut Sharma
 or Other Approved Signatory

For information on the fungi listed in this report please visit the Resources section at www.emsl.com



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislabs@emsl.com

Attn: **Robb Cookman**
DO NOT USE - USE UPEA21
102 West Washington
Suite 217
Marquette, MI 49855

Customer ID: UPEA99
Customer PO:
EMSL Order: 161018292
EMSL Proj:
Received: 10/21/2010 9:45 AM
Analysis Date: 11/3/2010

Project: **M128-10484**
Fax: (906) 228-7144 Phone: (906) 228-6061

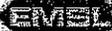
Test Report: Identification and Enumeration of Culturable Fungi by Swab
(Genus Level ID (EMSL Method M005))

Sample Description	Sample Location	Media	Temp (C)	Sample Measure (Swab)	Analytical Sensitivity (CFU/Swab)	Dilution	Fungal Identification	Colony Count	CFUs (CFU/Swab)
AH-C407 161018292-0001	Air Handler Print Room	MEA	25	1	1000	1000	Bacteria	1	1000
					1000	1000	Cladosporium sp.	47	47,000
					1000	1000	Penicillium sp.	6	6,000
					1000	1000	Yeast	1	1000
					Total		55	55,000	
Customer Sample									
AH1-A022 161018292-0002	Air Handler 1 Annex	MEA	25	1	10000	10000	Bacteria	9	90,000
					10000	10000	Cladosporium sp.	4	40,000
					10000	10000	Penicillium sp.	1	10,000
					10000	10000	Yeast sp.	10	100,000
					Total		24	240,000	
Customer Sample									
AH2-A022 161018292-0003	Air Handler 2 Annex	MEA	25	1	1000	1000	Bacteria	92	92,000
					1000	1000	Cladosporium sp.	7	7,000
					1000	1000	Penicillium sp.	10	10,000
					1000	1000	Yeast	12	12,000
					Total		121	121,000	
Customer Sample									
AH3-Penthouse 161018292-0004	Air Handler Penthouse	MEA	25	1	1000	1000	Bacteria	9	9,000
					1000	1000	Cladosporium sp.	7	7,000
					1000	1000	Nonsporulating	1	1000
					1000	1000	Yeast	52	52,000
					Total		69	69,000	
Customer Sample									

Initial report from 11/04/2010 10:53:15

Dr. Achyut Sharma
or other approved signatory

The level of detection is equal to 1 CFU per plate of sample analyzed. CFU = colony forming unit. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation of the data contained in this report is the responsibility of the client. Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc. 2001 East 52nd St., Indianapolis IN AIHA-LAP, LLC-EMLAP 157245



EMSL Analytical, Inc.

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislabs@emsl.com

Attn: **Robb Cookman**
DO NOT USE - USE UPEA21
102 West Washington
Suite 217
Marquette, MI 49855

Customer ID: UPEA99
Customer PO:
EMSL Order: 161018292
EMSL Proj:
Received: 10/21/2010 9:45 AM
Analysis Date: 11/3/2010

Project: **M128-10484**
Fax: (906) 228-7144 Phone: (906) 228-6061

Test Report: Identification and Enumeration of Culturable Fungi by Swab
(Genus Level ID (EMSL Method M005))

Sample Description	Sample Location	Media	Temp (C)	Sample Measure (Swab)	Analytical Sensitivity (CFU/Swab)	Dilution	Fungal Identification	Colony Count	CFUs (CFU/Swab)
AHCBR-Rooftop	County Board Rm - Rooftop	MEA	25	1	10000	10000	<i>Cladosporium sp.</i>	13	130,000
161018292-0005					10000	10000	Yeast	43	430,000
Customer Sample							Total	56	560,000

No discernable blank was submitted with this group of samples

Initial report from 11/04/2010 10:53:15

Dr. Achyut Sharma
or other approved signatory

The level of detection is equal to 1 CFU per plate of sample analyzed. CFU = colony forming unit. EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation of the data contained in this report is the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. 2001 East 52nd St., Indianapolis IN AIHA-LAP, LLC-EMLAP 157245



Environmental Microbiology Chain of Custody

EMSL Order Number (Lab Use Only)

161018539

Indianapolis, IN
2001 East 52nd Street
Indianapolis, IN 46205
PHONE: (317) 803-2997
FAX: (317) 803-3047

Company: U.P. Engineers & Architects, Inc.		EMSL Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different			
Street: 102 W. Washington, Suite 217		If Bill to is Different note instructions in Comments**			
City/State/Zip: Marquette, MI 49855		Third Party Billing requires written authorization from third party			
Report To (Name): Robb Cookman		Fax: 906 228-7144			
Telephone: 906-228-6061		Email Address: rcookman@upea.com			
Project Name/Number: M128-10484					
Please Provide Results: Email		Purchase Order:	State Samples Taken: WI		
Turnaround Time (TAT) Options* - Please Check					
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input checked="" type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week					
*Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide. TATs are subject to methodology requirements.					
Non Culturable Air Samples (Spore Traps)					
<ul style="list-style-type: none"> M001 Air-O-Cel M039 BioSIS M030 Micro 5 	<ul style="list-style-type: none"> M173 Allegro M2 M009 Burkard M174 MoldSnap 	<ul style="list-style-type: none"> M004 Allergenco M043 Cyclex M176 Rette Smart 	<ul style="list-style-type: none"> M032 Allergenoc-D M002 Cyclex-d M130 Via-Cell 		
Other Microbiology Test Codes					
<ul style="list-style-type: none"> M041 Fungal Direct Examination M005 Viable Fungi ID and Count M006 Viable Fungi ID and Count (Speciation) M007 Culturable Fungi M008 Culturable Fungi (Speciation) M009 Gram Stain Culturable Bacteria M010 Bacterial Count and ID - 3 Most Prominent M011 Bacterial Count and ID - 5 Most Prominent M013 Sewage Contamination in Buildings 	<ul style="list-style-type: none"> M014 Endotoxin Analysis M015 Heterotrophic Plate Count M180 Real Time Q-PCR-ERMI 36 Panel M018 Total Coliform (Membrane Filtration) M020 Fecal Streptococcus (Membrane Filtration) M210-215 Legionella Detection M026 Recreational Water Screen M027 Mycotoxin Analysis 	<ul style="list-style-type: none"> M029 Enterococci M019 Fecal Coliform M133 MRSA Analysis M028 Cryptococcus neoformans Detection M120 Histoplasma capsulatum Detection M033-39 Allergen Testing M044 Group Allergen (Cat, Dog, Cockroach, Dustmites) Other See Analytical Price Guide 			
Preservation Method (Water):					
Name of Sampler:		Signature of Sampler:			
Sample #	Sample Location	Sample Type	Test Code	Volume/Area	Date/Time Collected
C	A 202	Air-O-Cel	M001	120L	7:37 10/20/10
D	A 220			120L	7:52
E	B 202			120L	8:07
A	A 012			120L	8:23
B	A127			120L	8:37
F	C 102			120L	8:51
H	C 302			120L	9:05
I	C 407			120L	9:21
E	C 010			120L	9:50
J	outside west Entrance			120L	10:04
Client Sample # (s): A - J		Total # of Samples: 10			
Relinquished (Client): Robb Cookman		Date: 10/20/10	Time: 12:00		
Received (Client): [Signature]		Date: 10/27/10	Time: 9:45 AM		
Comments/Special Instructions: sent UPS EMSL Acct # UPEAZI					

10/27/10

Parking Lot Name	Number of Spaces	Handicap Spaces
East, Annex or Memorial Parking Lot	22	2
Theatre or Ella Court Parking (all)	92	5
West or Citgo Parking Lot	66	2
Total	180	9



- County Owned
- Non-Residential Impervious Surfaces
- Other Mapped Features
- Municipal Boundary
- Urban Planning Boundary
- Parcel Line
- Stream or River
- Surface Water

Source: Marinette County, City of Marinette, 2007

Disclaimer: This map was prepared using aerial photography and other information and data that were not developed or obtained as part of the project. The information is not intended to be used for any purpose other than general information. The information is not intended to be used for any purpose other than general information. The information is not intended to be used for any purpose other than general information.

NORTH



McMAHON
ENGINEERS & ARCHITECTS

FIGURE X
COUNTY OWNED NON-RESIDENTIAL IMPERVIOUS SURFACES
CITY OF MARINETTE
MARINETTE COUNTY, WISCONSIN

