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## ASBESTOS SURVEY REPORT

**Performed At:**

CHARLES RAINSFORD  
1301 Haven Ave Unit A  
Ocean City, NJ 08226

**Performed For:**

CB&I  
200 Horizon Center Blvd  
Trenton, NJ 08691

**Prepared By:**

LEW Corporation  
1090 Bristol Road  
Mountainside, NJ 07092

Phone (908) 654-8068

Fax (908) 654-8069

Inspection Date: 01/19/2015 08:30 am

Project Number: 141280

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## CONTACT INFORMATION


### Site:

Site Name:	CHARLES RAINSFORD
Street Address:	1301 Haven Ave Unit A Ocean City, NJ 08226
Year of Construction:	1981

### Client:

Client Contact:	Dan Paetzold
Client Name:	CB&I
Street Address	200 Horizon Center Blvd Trenton, NJ 08691
Phone Number:	(855) 287-7736

### Asbestos Inspector:

Site Assessor Name:	Mark Franz
AHERA Certification #:	41083
Signature:	
Date:	January 26, 2015

### Consultant:

Organization:	LEW Corporation
Street:	1090 Bristol Road
City, State & Zip:	Mountainside, New Jersey 07092
Phone Number:	908-654-8068
Web Address:	<a href="http://www.lewcorp.com">http://www.lewcorp.com</a>

### Laboratory:

Organization:	EMSL Analytical, Inc.
Street:	107 Haddon Avenue
City, State & Zip:	Westmont, New Jersey 08108
Phone Number:	800-220-3675

## **Executive Summary**

On 01/19/2015 08:30 am, Mark Franz of LEW Corporation performed a limited survey for asbestos containing materials at 1301 Haven Ave Unit A, Ocean City, NJ 08226. The inspection was conducted to determine the presence of asbestos containing materials (ACM) that will be impacted during the renovation, demolition and/or elevation of the residential property. No ACM was identified during the survey. Roofing could not be safely sampled and should be considered PACM until tested.

## Introduction

LEW Corporation was retained by CB&I to perform a limited survey at 1301 Haven Ave Unit A, Ocean City, NJ 08226 for the presence of asbestos containing building materials (ACBM). The property is slated for renovation, demolition or elevation.

## Background

On 01/19/2015 08:30 am, Mark Franz of LEW Corporation surveyed the accessible areas of the property. The scope of work for this project was limited to observing the areas indicated, bulk sampling accessible presumed asbestos containing building materials (PACBM), analyzing the samples, and giving conclusions based on the results.

## Asbestos Survey Procedures

The asbestos survey procedure consisted of a visual evaluation of exposed building materials to locate and identify suspect ACM. The inspector looked at material type and overall condition as well as any patchwork. Materials were assessed based upon the various types of presumed homogeneity observed throughout the facility.

LEW Corporation reminds that homogeneous sampling area contains material that is uniform in texture, color, date of application, and appears identical in every other respect. Materials installed at different times belong to separate homogeneous sampling areas. The selection of homogeneous sampling areas is a subjective process. If there is any reason to suspect that materials might be different even though they appear uniform, LEW Corporation will assign them to separate homogeneous sampling areas. For example, materials in different wings of a building on different floors, or in special areas such as cafeterias, machine shops, band rooms, etc, should be assigned to separate homogeneous sampling areas unless there is a good reason to believe that the material is identical throughout.

Since destructive sampling was not conducted, we did not demolish any parts of the building to access any hidden materials. If suspect ACM that was not previously sampled is sighted during any renovations, it should be sampled by a certified inspector or assumed to be asbestos. Attention is directed to Appendix A "General Statements Concerning Asbestos Inspections".

Samples were shipped to EMSL Analytical via Federal Express. In accordance with the Emergency Adoption by the New Jersey Health and Senior Services June 5, 2006 and clarification documentation, samples were analyzed using procedure found in "Test Method-Method for Determination of Asbestos on Bulk Building Materials" EPA 600/R-93/116, July 1993. Friable material materials were analyzed utilizing using Polarized Light Microscopy (PLM). Non-friable organically bound (NOB) materials and problem matrices were gravimetrically reduced and analyzed by PLM. If the result was less than or equal to 10% asbestos, the sample is point counted. Only when PLM analysis indicates that a sample contains 1% or less, including no asbestos, shall the sample be analyzed by Transmission Electron Microscopy (TEM).

"Wall Systems" (joint compound, tape and wallboard) were analyzed according EPA, 40 CFR Part 61, Subpart M, 55 FR 48406, Asbestos NESHAP Clarification Regarding Analysis of Multi-Layered Systems, effective on December 19, 1995. Excerpts of this clarification states:

*"... This clarification basically stated that all multi-layered systems except for wall systems where joint compound was used only at the joints and nail holes must be analyzed as separate materials, and results were not allowed to be combined to determine average asbestos content (continuing the policy that dilution of an asbestos-containing material is not allowed)..."*

LEW Corporation follows AHERA (40 CFR Part 763, Subpart E) protocol for bulk sampling due to its stringency unless if applicable, other arrangements are requested by the client and agreed with LEW Corporation.

The following is a chart indicating the samples taken in this survey.

The apartment unit and apartment unit building exterior A-wall pertains to the wall that faces the street address, then the remaining walls are named in clockwise order.

Sample #	HA #	Material	Location	Est. Quantity
1A	1	Drywall - New	½ Bathroom	200 sqft
1B	1	Drywall - New	½ Bathroom	200 sqft
2A	2	Drywall - Old	½ Bathroom	2400 sqft
2B	2	Drywall - Old	½ Bathroom	2400 sqft

In *Surfacing Materials* case (like fireproofing), EPA in its guidance document: *Asbestos in Buildings, Simplified Sampling Scheme for Friable Surfacing Materials* (EPA 560/5-85-03a, October 1985, AKA "Pink Book") recommends that 9 samples per homogenous area should be taken, with nine samples the likelihood of detecting asbestos when is present is very high, however, LEW Corporation might follow as a minimum the "AHERA's 3,5,7 rule" which specifies taking 3 samples per each homogenous area that is 1000 SF or less, 5 samples per each homogenous area greater than 1000 SF but less than or equal than 5000 SF, and finally 7 samples will be taken from each homogenous area that is greater than 5000 SF.

Regarding *Thermal System Insulation* case (pipes, boilers, ductworks, etc), at least three bulk samples should be taken from each homogenous area of TSI that is not assumed to be ACM. For long pipe runs or risers, more samples should be taken, especially if the piping extends to more the one *functional space* (spatially distinct units within a building which contain identifiable populations of building occupants). One bulk sample from each homogenous area of patched TSI that is not assumed to be ACM if the patched section is less than 6 linear or square feet.

For the case of *Miscellaneous Materials* (for the most part non-friable like transite or floor tiles; ceiling tiles are an exception), EPA does not recommend sampling them. Instead, they should be identified as suspect and documented as such in permanent records. Some building owners might wish to have miscellaneous materials sampled and analyzed anyway. If sampling is desired LEW

Corporation will try to identify separate homogeneous areas just as it would be done for surfacing materials or thermal insulation and collect a minimum of 2 samples. Then, convenience samples will be collected in inconspicuous locations.

LEW Corporation reminds that homogeneous sampling area contains material that is uniform in texture, color, date of application, and appears identical in every other respect. Materials installed at different times belong to separate homogeneous sampling areas. If there is any reason to suspect that materials might be different even though they appear uniform, LEW Corporation will assign them to separate homogeneous sampling areas. For example, materials in different wings of a building on different floors, or in special areas such as cafeterias, machine shops, band rooms, etc, should be assigned to separate homogeneous sampling areas unless there is a good reason to believe that the material is identical throughout.

ACM TYPE	SIZE OF HOMOGENEOUS AREA	MINIMUM NO. OF SAMPLES
Surfacing Materials	less than or equal to 1000 square feet (sf)	3
	greater than 1000 sf and less than 5000 sf	5
	greater than 5000 sf	7
Thermal System Insulation	areas not assumed to be ACM	3
	patched areas (<6 linear feet (lf) or 6 sf)	1
Miscellaneous Material	sufficient samples from areas that are not assumed to contain ACM	2

Since destructive sampling was not conducted, we did not demolish any parts of the building to access any hidden materials. If PACBM that was not previously sampled is sighted during any renovations, it should be sampled by a certified inspector or assumed to be asbestos. Attention is directed to Appendix A "General Statements Concerning Asbestos Inspections".

## Positive Laboratory Results

The following is a chart indicating the samples taken and the positive laboratory results. Asbestos containing material means any material that contains more than one percent asbestos by weight. Friable asbestos material means that it is capable of being crumpled, pulverized, or reduced to powder by hand pressure and normally non-friable material that during abatement process could be rendered friable as defined by EPA. Roofing could not be safely sampled and should be considered PACM until tested.

Sample #	Type	Location	% Asbestos	Friable	Condition
None					

## Appendix A      Lab Support Documents



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 041501459  
Customer ID: LEWC50  
Customer PO:  
Project ID:

**Attn:** Mark Franz  
LEW Corporation  
1090 Bristol Rd.  
Mountainside, NJ 07092

**Phone:** (908) 654-8068  
**Fax:** (908) 654-8069  
**Collected:** 1/19/2015  
**Received:** 1/20/2015  
**Analyzed:** 1/20/2015

**Proj:** 141280 / 1301 Haven Ave., Ocean City

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 1A-Drywall

**Lab Sample ID:** 041501459-0001

**Sample Description:** 1/2 Bath/Drywall- New

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	1/20/2015	White	5%	95%	None Detected	

**Client Sample ID:** 1A-Joint Compound

**Lab Sample ID:** 041501459-0001A

**Sample Description:** 1/2 Bath/Drywall- New

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	1/20/2015	White	0%	100%	None Detected	

**Client Sample ID:** 1B-Drywall

**Lab Sample ID:** 041501459-0002

**Sample Description:** 1/2 Bath/Drywall- New

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	1/20/2015	Brown/White	15%	85%	None Detected	

**Client Sample ID:** 1B-Joint Compound

**Lab Sample ID:** 041501459-0002A

**Sample Description:** 1/2 Bath/Drywall- New

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	1/20/2015	White	0%	100%	None Detected	

**Client Sample ID:** 2A-Drywall

**Lab Sample ID:** 041501459-0003

**Sample Description:** 1/2 Bath/Drywall- Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	1/20/2015	White	10%	90%	None Detected	

**Client Sample ID:** 2A-Joint Compound

**Lab Sample ID:** 041501459-0003A

**Sample Description:** 1/2 Bath/Drywall- Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	1/20/2015	White	0%	100%	None Detected	

**Client Sample ID:** 2B-Drywall

**Lab Sample ID:** 041501459-0004

**Sample Description:** 1/2 Bath/Drywall- Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	1/20/2015	Brown/White	15%	85%	None Detected	



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 041501459  
Customer ID: LEWC50  
Customer PO:  
Project ID:

## Summary Test Report for Asbestos Analysis in Accordance with N.J.A.C. 8:60 and 12:120 via EPA 600/R-93/116

**Client Sample ID:** 2B-Joint Compound

**Lab Sample ID:** 041501459-0004A

**Sample Description:** 1/2 Bath/Drywall- Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	1/20/2015	White	0%	100%	None Detected	

### Analyst(s):

Amy Johnson PLM (4)  
Andrew Castellano PLM (4)

### Reviewed and approved by:

Stephen Siegel, CIH, Laboratory Manager  
or Other Approved Signatory

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. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs.

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Initial report from: 01/20/2015 16:14:25

EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAININGAsbestos Bulk Building Material  
Chain of Custody

EMSL Order Number (Lab Use Only):

041501459

Cinnaminson, NJ 08077  
PHONE: 1-800-220-3675  
FAX: (856) 786-5974

Company: LEW Corporation		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 1090 Bristol Rd		Third Party Billing requires written authorization from third party	
City: Mountainside	State/Province: NJ	Zip/Postal Code: 07092	Country: United States
Report To (Name): M. Franz		Telephone #: 9086548068	
Email Address: labresults@lewcorp.com		Fax #: 9086548069	Purchase Order:
Project Name/Number: 141280		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: NJ		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*For TEM Air 3 hr through 6 hr, 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.			
PLM - Bulk (reporting limit)		TEM - Bulk	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)		<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1	
<input type="checkbox"/> PLM EPA NOB (<1%)		<input type="checkbox"/> NY ELAP Method 198.4 (TEM)	
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> Chatfield Protocol (semi-quantitative)	
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2	
<input type="checkbox"/> NIOSH 9002 (<1%)		<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)		<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)		Other	
<input type="checkbox"/> OSHA ID-191 Modified		<input checked="" type="checkbox"/> NOBs - TEM Only	
<input type="checkbox"/> Standard Addition Method			
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Date Sampled: 1/19/15	
Samplers Name: Mark Franz		Samplers Signature: [Signature]	
Sample #	HA #	Sample Location	Material Description
1A	1	1/2 Bath	Drywell New
1B	1		New
2A	2		Old
2B	2		Old
			15 JAN 20 AM 10:09
			RECEIVED
			EMSL
			CINNAMINSON, NJ
Client Sample # (s): 1A → 2B		Total # of Samples: 4	
Relinquished (Client): [Signature]		Date: 1/19/15	Time: 5pm
Received (Lab): [Signature]		Date: 1/20/15	Time: 0920
Comments/Special Instructions:			
Site address: 1301 Haven Ave, Ocean City			

## Appendix B      Photos (if applicable)

LEW Corporation is not responsible for the quality of the pictures, nor the clarity, content or the detail.



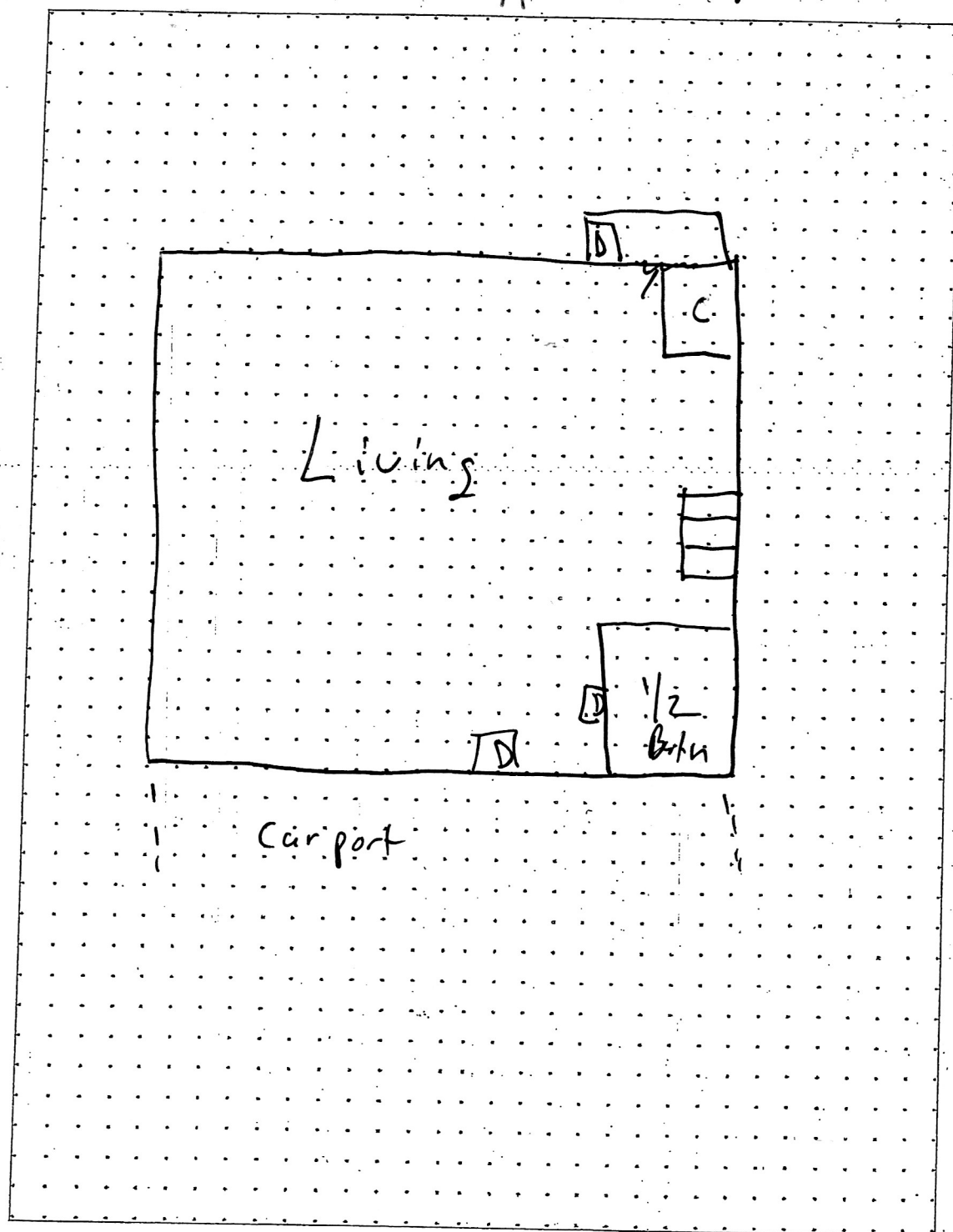
asb drywall sample old and new

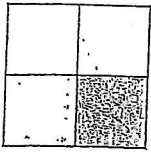
Appendix C      Floor Plan(s)

Site: 1301 Haven Ave Unit A

A

1<sup>st</sup> Floor





**LEW**  
Corporation

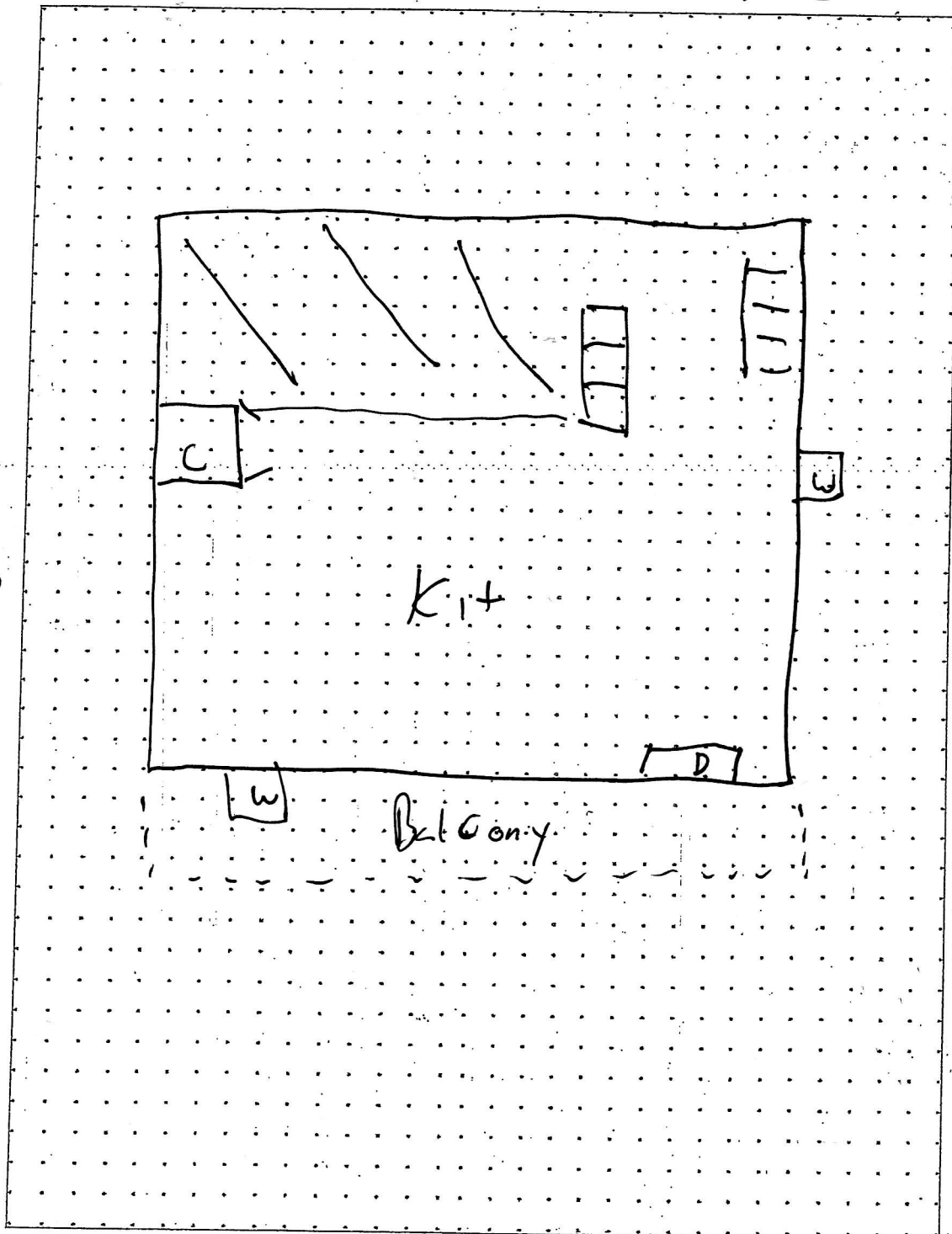
"The Environmental Company"

1090 Bristol Road  
Mountainside, NJ 07092  
(908) 654-8068  
(800) 783-0567  
Fax (908) 654-8069  
www.lewcorp.com

Site: 1301 Haven Ave Unit A

A

2nd Floor



## Appendix D      Building Inspector Certifications

41083

# *National Asbestos & Environmental Training Institute*

## **CERTIFICATE OF COMPLETION**

AHERA/EPA Accredited Per 40 CFR Part 763  
Asbestos Accreditation under TSCA Title II

*This is to certify that*

***Mark Franz***

*Successfully completed the course entitled*

**1/2-Day EPA/AHERA Asbestos Building Inspector Annual Refresher on  
February 3, 2014**

*Expiration Date on February 3, 2015*

  
Doris L. Adler

President, NAETI

Per 10 NYCRR Part 73.2 (L) (1), DOH 2832 Certificate of Completion of Asbestos  
Safety Training is the only official record of training for N.Y.S. students.

Language: English

ABIH 1/2 CM POINT

3321 Doris Avenue, Building B, Ocean, NJ 07712

Phone (732) 531-5571

Fax (732) 531-5956

[www.naeti.com](http://www.naeti.com)