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1090 Bristol Road
Mountainside, NJ 07092
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(800) 783-0567
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ASBESTOS SURVEY REPORT

Performed At:

PAUL WALDMAN
57 Bridgewaters Dr Apt 19 UNIT 19
Oceanport, NJ 07757

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: 10/23/2014 08:30 am
Project Number: 140900

Table of Contents

CONTACT INFORMATION.....	3
EXECUTIVE SUMMARY	4
INTRODUCTION.....	5
BACKGROUND.....	5
ASBESTOS SURVEY PROCEDURES.....	5
POSITIVE LABORATORY RESULTS.....	8

Appendices

APPENDIX A	LAB SUPPORT DOCUMENTS
APPENDIX B	PHOTOGRAPHS (IF APPLICABLE)
APPENDIX B	FLOOR PLAN(S)
APPENDIX C	BUILDING INSPECTOR CERTIFICATIONS

CONTACT INFORMATION


Site:

Site Name:	PAUL WALDMAN
Street Address:	57 Bridgewaters Dr Apt 19 UNIT 19 Oceanport, NJ 07757
Year of Construction:	1986

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:	Neil Wendt
AHERA Certification #:	42097
Signature:	
Date:	October 28, 2014

Consultant:

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

Laboratory:

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

Executive Summary

On 10/23/2014 08:30 am, Neil Wendt, of LEW Corporation performed a limited survey for asbestos containing materials at 57 Bridgewaters Dr Apt 19 UNIT 19, Oceanport, NJ 07757. 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 57 Bridgewaters Dr Apt 19 UNIT 19, Oceanport, NJ 07757 for the presence of asbestos containing building materials (ACBM). The property is slated for renovation, demolition or elevation.

Background

On 10/23/2014 08:30 am, Neil Wendt 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
19-1023-B1	1	Old Drywall	Garage	240 sqft
19-1023-B2	1	Old Drywall	Garage	240 sqft
19-1023-B3	2	New Drywall	Garage	150 sqft
19-1023-B4	2	New Drywall	Garage	150 sqft
19-1023-B5	3	Old Drywall	Bedroom 3 Closet	90 sqft
19-1023-B6	3	Old Drywall	Bedroom 3 Closet	90 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

EMSL Order ID: 041431727
Customer ID: LEWC50
Customer PO:
Project ID:

Attn: Neil Wendt
LEW Corporation
1090 Bristol Rd.
Mountainside, NJ 07092
Phone: (908) 654-8068
Fax: (908) 654-8069
Collected: 10/23/2014
Received: 10/27/2014
Analyzed: 10/28/2014
Proj: 140900 / 57 Bridgewater Dr., Apt 19, Unit19 Oceanport, NJ 07757

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: 19-1023-B1-Drywall **Lab Sample ID:** 041431727-0001
Sample Description: Garage/Drywall-Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/27/2014	White	18%	82%	None Detected	

Client Sample ID: 19-1023-B1-Joint Compound **Lab Sample ID:** 041431727-0001A
Sample Description: Garage/Drywall-Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/27/2014	White	0%	100%	None Detected	

Client Sample ID: 19-1023-B2-Drywall **Lab Sample ID:** 041431727-0002
Sample Description: Garage/Drywall-Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/28/2014	Brown/Gray	20%	80%	None Detected	

Client Sample ID: 19-1023-B2-Joint Compound **Lab Sample ID:** 041431727-0002A
Sample Description: Garage/Drywall-Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/28/2014	White	0%	100%	None Detected	

Client Sample ID: 19-1023-B3 **Lab Sample ID:** 041431727-0003
Sample Description: Garage/Drywall-New

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/27/2014	White	18%	82%	None Detected	

Client Sample ID: 19-1023-B4 **Lab Sample ID:** 041431727-0004
Sample Description: Garage/Drywall-New

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/28/2014	Brown/Gray	18%	82%	None Detected	

Client Sample ID: 19-1023-B5 **Lab Sample ID:** 041431727-0005
Sample Description: BR3-Closet/Drywall-Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/27/2014	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

EMSL Order ID: 041431727
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: 19-1023-B6

Lab Sample ID: 041431727-0006

Sample Description: BR3-Closet/Drywall-Old

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	10/28/2014	Brown/Gray	15%	85%	None Detected	

Analyst(s):

Brett Poulton PLM (4)
Chelsey Bilhear 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: 10/28/2014 07:28:20

EMSL Analytical, Inc.
200 Route 130 North



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

~~041431726~~ 041431727

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): N Wendt		Telephone #: 9086548068	
Email Address: labresults@lewcorp.com		Fax #: 9086548069	Purchase Order:
Project Name/Number: 140900		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

3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 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"/> NY ELAP Method 198.4 (TEM)	<input type="checkbox"/> Chatfield Protocol (semi-quantitative)
<input type="checkbox"/> PLM EPA NOB (<1%)	<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2	<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique	<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		Other	
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input checked="" type="checkbox"/> NOB-TEM Only	
<input type="checkbox"/> NIOSH 9002 (<1%)			
<input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)			
<input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)			
<input type="checkbox"/> OSHA ID-191 Modified			
<input type="checkbox"/> Standard Addition Method			

Check For Positive Stop - Clearly Identify Homogenous Group Date Sampled:

Samplers Name: N Wendt Samplers Signature: *NW*

Sample #	HA #	Sample Location	Material Description
19-1023-B1	1	garage	drywell - old
B2	1	"	" "
B3	2	garage	drywell - new
B4	2	"	" "
B5	3	B R3 closet	drywell - old
B6	3	"	" "

14 OCT 27 AM 9:00
 CINNAMINSON, NJ
 EMSL ANALYTICAL

Client Sample #(s): B1-B6 Total # of Samples: 6

Relinquished (Client): N. Wendt Date: 10/23/14 Time: 5:00 PM

Received (Lab): K. EMSL FL Date: 10-27-2014 Time: 8:50 AM

Comments/Special Instructions:
Site Address: 57 Bridgewater Dr. Apt 19 Oceanport NJ 07757

Appendix B Photos (if applicable)

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



drywall-old-BR2 closet

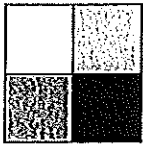


drywall-old-garage



drywall-new-garage

Appendix C Floor Plan(s)



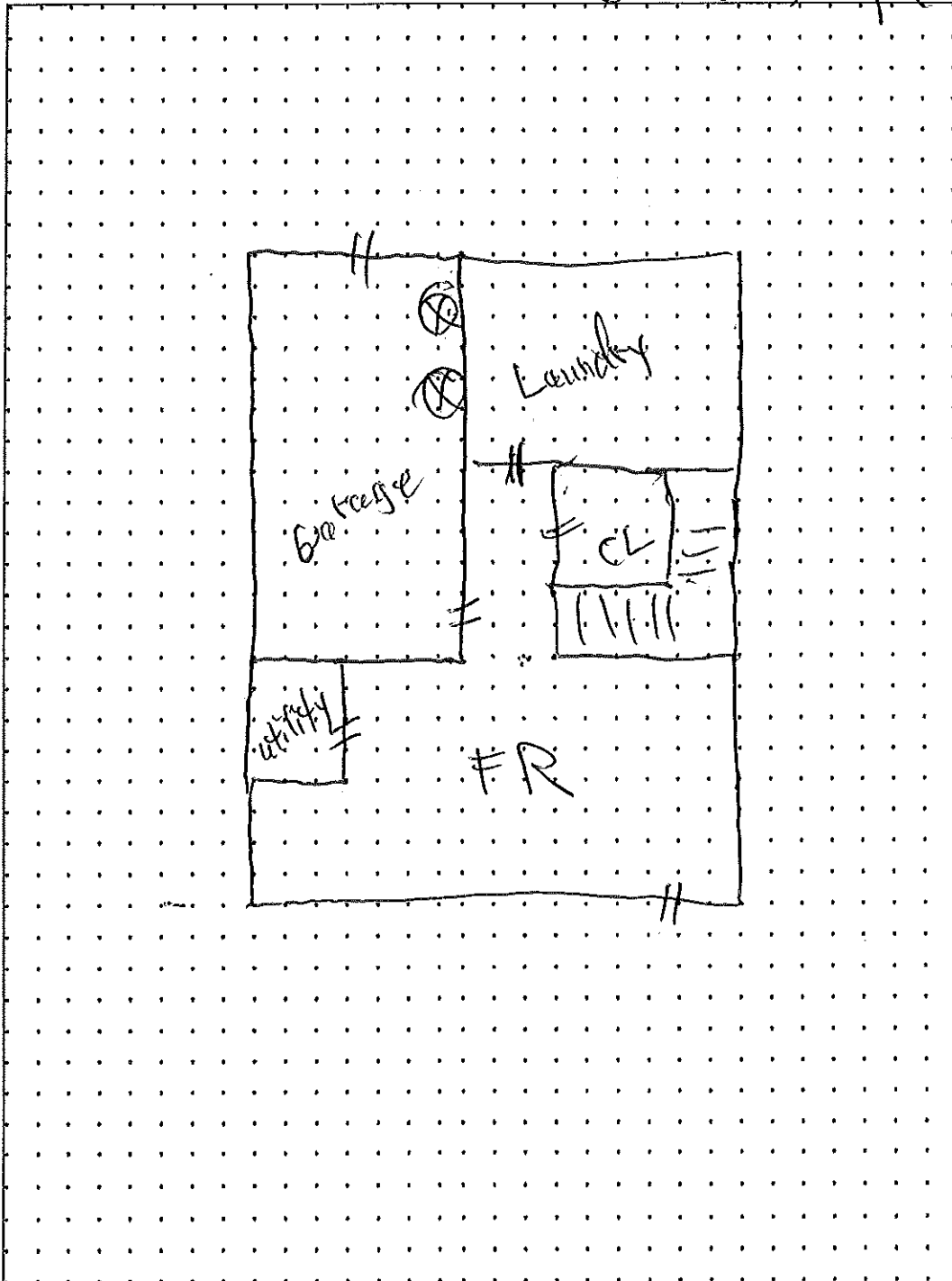
LEW
Corporation

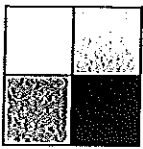
"The Environmental Company"

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

Site: 57 Bridgewater Dr Apt 9 - 1st Floor

A ⊗ = asb sample





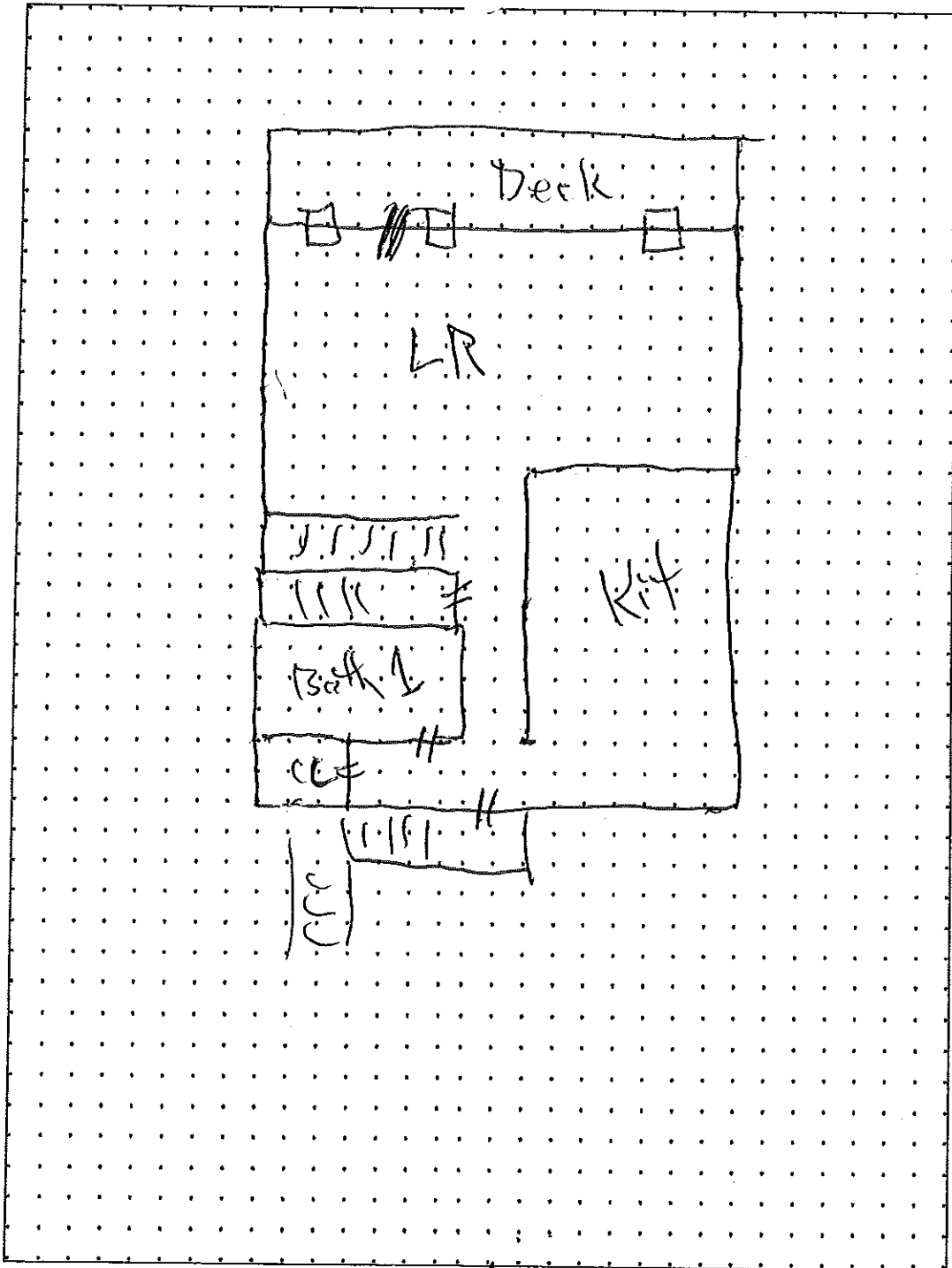
LEW
Corporation

"The Environmental Company"

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Mountainside, NJ 07092
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Fax (908) 654-8069
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Site: 57 Bridgewater Dr Apt - 19 - 2nd Flr

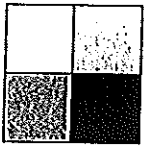
C



B

D

A → Building Front



LEW
Corporation

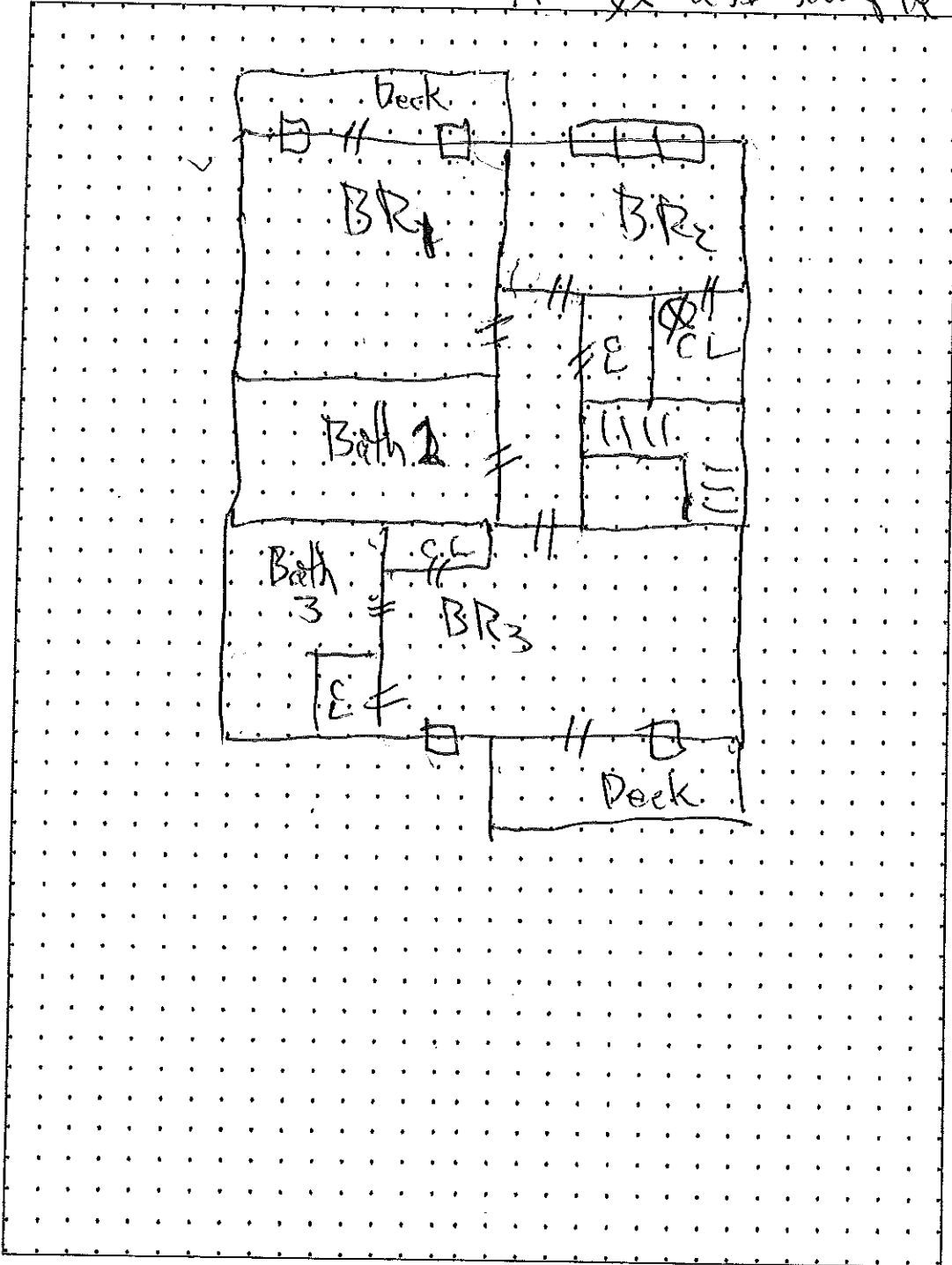
"The Environmental Company"

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Site: 57 Bridgewater Dr Apt 19

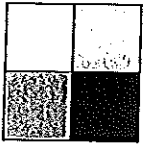
A ⊗ = asb sample

D



B

C

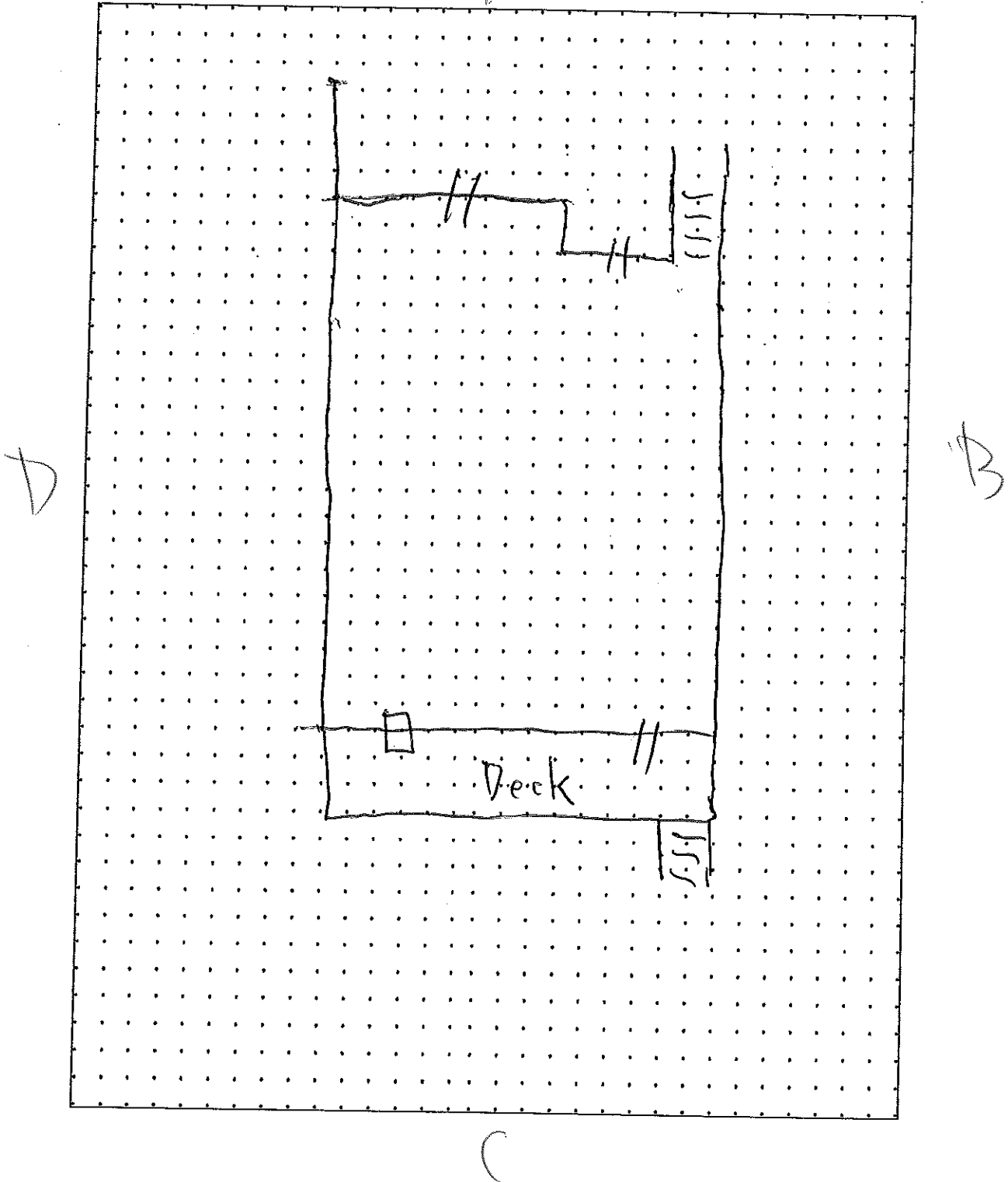


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Site: 57 Bridgewater Dr Apt 19 - Exterior
A



Appendix D Building Inspector Certifications

ISS 07/01/14
EXP 07/01/15
DB 04/29/54
SEX Male
HT 5'7"
WT 150 lbs.
EYE Blue



58 Brandywine Rise
ADDRESS Green Brook, NJ 08812



National Asbestos
& Environmental
Training Institute

I.D. #

42097

This Certifies That

Neil Wendt

N/A

(Trainee Name - Types or Printed in ink)

(Soc. Sec. Number)

has completed **1/2-Day Asbestos Building**
Inspector Refresher

in accordance with the

provisions of **EPA/AHERA** on **7/1/14**

(Date)

Doris L. Adler

President

(See reverse side)

3321 Doris Ave., Building B, Ocean, NJ 07712 • Tel.: (732)531-5571