FINAL REPORT
ASBESTOS SURVEY

AlTech Specialty Steel,
DUNKIRK, NEW YORK

Prepared for:

Remedial Bureau E, Section A
Division of Environmental Remediation
NYSDEC
625 Broadway, 12th Floor, Albany, NY 12233-7017

Prepared by:

Shaw™ Shaw Environmental, Inc.

Shaw Environmental, Inc.
13 British American Boulevard
Latham, NY 12110-1405

October 2012

Shaw Project No. 134685.2206

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Acronyms and Abbreviations

ACM	asbestos-containing materials
AHERA	Asbestos Hazard Emergency Response Act
COC	chain of custody
HA	homogeneous area
LF	linear foot
Mm	millimeter
NYSDEC	New York State Department of Environmental Conservation
NYSDOL	New York State Department of Labor
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PLM	polarized light microscopy
PPM	parts per million
QA/QC	quality control/quality assurance
SF	square foot
TEM	transmission electron microscopy
EPA	United States Environmental Protection Agency

1.0 Introduction

Shaw Environmental, Inc. (Shaw) was requested by the New York State Department of Environmental Conservation (NYDEC) to perform an asbestos survey on a water meter shed scheduled for demolition at South East corner if Willow Brook Pond at the former AlTech Specialty Steel Corp. (AlTech) site in Dunkirk, New York. The AlTech site is an approximately 90 acre industrial site in the City of Dunkirk, Chautauqua County.

This report provides details of the procedures and analytical methods that were used to successfully perform this survey. The survey was conducted on October 3, 2012 by Mr. Jeffery Smith of Shaw. Mr. Smith is a certified New York State Department of Labor (NYSDOL) - AHERA Asbestos Building Inspector (Certification Number 99-11946). A copy of Mr. Smith's NYSDOL certification is presented in Appendix D.

The objectives of the survey were to identify suspect asbestos-containing materials, their location, estimated quantity, potential for human exposure, and to collect bulk samples, if necessary. The field investigation included both interior and exterior suspect building materials.

2.0 Methodologies

The asbestos survey included all interior and exterior building components. The purpose of the site inspection was to identify and sample potential asbestos-containing materials (ACMs). Additionally, the physical condition, amount, and friability of suspect materials were noted.

All asbestos samples collected were analyzed for asbestos content by polarized light microscopy (PLM). Suspect non-organically bound materials (NOB's), such as mastic and roof shingles, were also analyzed by transmission electron microscopy (TEM), if necessary. The methods of analysis used were NY State ELAP 198.6, NY State ELAP 198.1. (PLM) and NY State ELAP 198.4 (TEM).

2.1 Laboratory Analysis

All samples collected during the inspection were properly labeled, packaged with a chain of custody, and shipped to EMSL Analytical, Inc. (EMSL), Depew, New York (NYS ELAP No. 11606). In addition a duplicate sample was collected and submitted to a second laboratory; International Asbestos Testing Laboratories (IATL), Mt. Laurel, New Jersey, as a quality control (NIST-NVLAP No. 101165-0; NY-DOH No. 11021).

Once the sample is received by the laboratory, it is examined through a microscope and fibers are extracted from the material. After mounting, the fibers are identified using PLM, supplemented by dispersion staining. After fiber identification by PLM, the type of asbestos is identified and visual estimation by "point counting" is made as to the percent of asbestos present in the material. Reanalysis of non-organically bound materials by TEM are performed by a similar method, but with higher magnification than PLM. The material is considered "asbestos containing" if 1 percent or more of asbestos is present.

Laboratory reports are presented in Appendix B. Asbestos laboratory results are summarized in Table 1.0.

2.2 Asbestos Sampling Techniques

Prior to collecting the sample, the suspect material was wetted thoroughly with amended water (water containing a surfactant). A small representative sample was collected and sealed in a labeled container for transport to the laboratory for analysis. Each sample was assigned a unique sample ID number based on the homogeneous area (A-C) and replicates (1-3) and recorded on the laboratory chain of custody (presented in Appendix B). A photograph of each suspect material sampled or assumed asbestos-containing was collected and is presented in Appendix A. Sample location points are presented on the figure below. In addition to the collection of bulk samples, Shaw performed a visual condition assessment and quantification of each material.

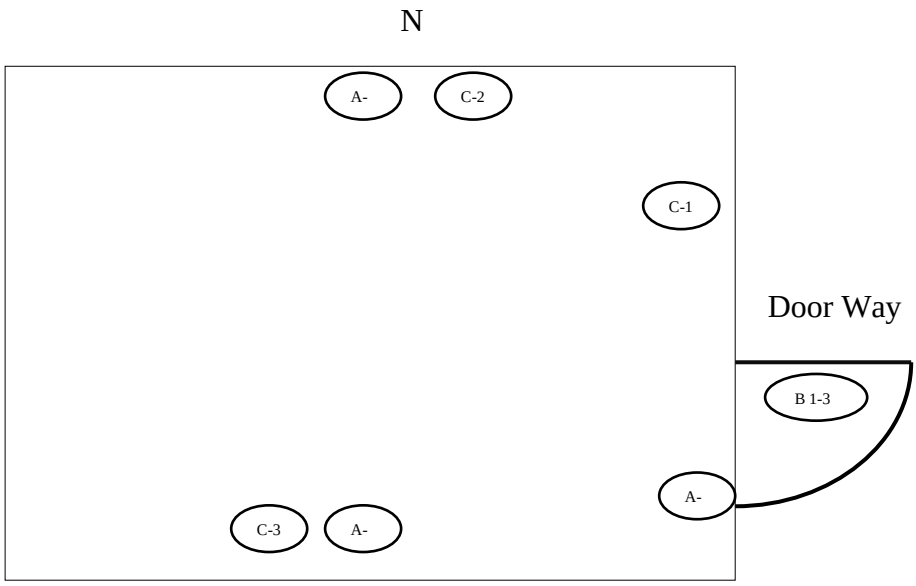


Figure 2-1. Shed Sample Locations

3.0 Asbestos Sampling Results

Shaw collected three replicate samples from three homogeneous areas (HAs) in the shed (A, B, and C). HA-A was the concrete pad, HA-B was mastic on foam panels on the inside east door, and HA-C was roof shingles. In addition a quality control sample was collected by splitting a replicate sample from the roofing shingles for analysis by IATL (Sample C-1 sent to IATL as DUP-1). The sampling results are summarized in Table 1.

Of the three materials submitted to EMSL for asbestos analyses, one sample, consisting of door mastic was reported to contain <1% chrysotile. Asbestos was not detected in the roofing shingles or the concrete samples. The duplicate roof shingle sample (DUP-1) analyzed by IATL reported a concentration of 50% chrysotile in a tar layer extracted from the sample.

Table 2 presents the quantification and physical assessment for materials positively identified as containing asbestos greater than 1 percent.

4.0 Conclusions and Recommendations

The following conclusions and recommendations are based on Shaw's field observations and analytical results.

Roofing tar associated with the roof shingles was found to contain asbestos greater than 1%. This material must be removed prior to demolition by a New York State licensed asbestos abatement contractor.

The mastic on the entrance doorway was found to contain less than 1% chrysotile by TEM analysis and as, such is not regulated by NYSDOL and can be disposed of as construction and demolition debris. However; Shaw recommends that this material be removed during the removal of the roofing under NYSDOL Code Rule 56 protocols.

This report neither expresses nor implies any opinions or conclusion relating to matters of real estate or other laws, or other issues beyond the scope of the survey team/individual expertise. No warranty, expressed or implied is made.

TABLES

TABLE 1.0

ALTECH STEEL - DUNKIRK NY

Shaw Shaw Environmental, Inc.

ASBESTOS BULK SAMPLING ANALYTICAL RESULTS

SAMPLE ID	MATERIAL DESCRIPTION	TYPE OF ASBESTOS BY PLM	PERCENT ASBESTOS BY PLM	TYPE OF ASBESTOS BY TEM	PERCENT ASBESTOS BY TEM
A-1	Foundation Concrete	None Detected	-	Analysis Not Required	-
A-2	Foundation Concrete	None Detected	-	Analysis Not Required	-
A-3	Foundation Concrete	None Detected	-	Analysis Not Required	-
		-			
B-1	Inside Door Mastic	None Detected	-	Chrysotile	< 1%
B-2	Inside Door Mastic	None Detected	-	Chrysotile	< 1%
B-3	Inside Door Mastic	None Detected	-	Chrysotile	< 1%
C-1	Roof Shingles	None Detected	-	Non Detected	-
C-2	Roof Shingles	None Detected	-	Non Detected	-
C-3	Roof Shingles	None Detected	-	Non Detected	-
DUP-1	Roof Shingle Tar	Chrysotile	50%	Analysis Not Required	-

PLM and TEM Analysis of A, B and C groups performed by EMSL Analytical, Inc. of Depew, New York

PLM and TEM Analysis of DUP-1 performed by IATL Analytical Services, Mt. Laurel, New Jersey

TABLE 2.0

ALTEC STEEL, DUNKIRK NY
ASBESTOS SURVEY

Shaw Environmental, Inc.

QUANTIFICATION AND ASSESSMENT OF
ASBESTOS-CONTAINING MATERIALS

Sample Number	Asbestos-Containing Material	Material Location(s)	Quantity	Friable or Non-Friable	Condition
Dup-1	Roofing Tar	Roof	60 ft^2	Non-Friable	Poor
B-1,2,&3	Mastic	Door	5 ft^2	Non-Friable < 1.0%	Good

Quanitites are estimated.

APPENDIX A

SITE PHOTOGRAPHS OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Photograph No. 1

Date: 10/03/2012

Direction: South

Description:
North wall and roof of shed

Photograph No. 2

Date: 10/03/2012

Direction: West

Description:

East wall and doorway to shed

Photograph No. 3

Date: 10/03/2012

Direction: North

Description:

South concrete pad Sample A-1

Photograph No. 4

Date: 10/03/2012

Direction: West

Description:
East concrete pad Sample A-2

Photograph No. 5

Date: 10/03/2012

Direction: South

Description:
North concrete pad Sample A-3

Photograph No. 6

Date: 10/03/2012

Direction: North

Description:
Entrance door showing mastic Samples B-1, B-2, and B-3

Photograph No. 7

Date: 10/03/2012

Direction: West

Description:

Roof Shingles Samples C-1 and C-2

Photograph No. 8

Date: 10/03/2012

Direction: East

Description:
Roof Shingles Samples C-3

APPENDIX B

ASBESTOS LABORATORY REPORTS/CHAIN-OF-CUSTODY FORMS

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone/Fax: (716) 651-0030 / (716) 651-0394
http://www.emsl.com buffalolab@emsl.com

EMSL Order:	141204884
CustomerID:	SHEI62
CustomerPO:	585839
ProjectID:	

Attn: **Roy Stancil**
Shaw Environmental, Inc.
128 South Tryon Street
Charlotte, NC 28202

Phone:	(704) 331-6334
Fax:	(704) 331-6089
Received:	10/03/12 12:57 PM
Analysis Date:	10/4/2012
Collected:	10/3/2012

Project: **None**

Test Report: Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
A-1 *141204884-0001*	concrete foundation	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
A-2 *141204884-0002*	concrete foundation	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected
A-3 *141204884-0003*	concrete foundation	Gray Non-Fibrous Homogeneous		100.00% Non-fibrous (other)	None Detected

Analyst(s)
Rachel Giese (3)

Rhonda McGee
Rhonda McGee, Laboratory Manager
or other approved signatory

Initial report from 10/04/2012 09:47:53

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone/Fax: (716) 651-0030 / (716) 651-0394
http://www.emsl.com buffalolab@emsl.com

EMSL Order:	141204884
CustomerID:	SHEI62
CustomerPO:	585839
ProjectID:	

Attn: **Roy Stancil**
Shaw Environmental, Inc.
128 South Tryon Street
Charlotte, NC 28202

Phone:	(704) 331-6334
Fax:	(704) 331-6089
Received:	10/03/12 12:57 PM
Analysis Date:	10/4/2012
Collected:	10/3/2012

Project: None

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by PLM via the NY State ELAP 198.6 Method

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
B-1 *141204884-0004*	mastic on inside door, holding foam	Non-Fibrous Homogeneous	100	None	Inconclusive: No Asbestos Detected
B-2 *141204884-0005*	mastic on inside door, holding foam	Gray Non-Fibrous Homogeneous	100	None	Inconclusive: No Asbestos Detected
B-3 *141204884-0006*	mastic on inside door, holding foam	Gray Non-Fibrous Homogeneous	100	None	Inconclusive: No Asbestos Detected
C-1 *141204884-0007*	roof shingles	Black Fibrous Homogeneous	100	None	Inconclusive: No Asbestos Detected
C-2 *141204884-0008*	roof shingles	Black Fibrous Homogeneous	100	None	Inconclusive: No Asbestos Detected
C-3 *141204884-0009*	roof shingles	Black Fibrous Homogeneous	100	None	Inconclusive: No Asbestos Detected

Analyst(s)
Rachel Giese (6)

Rhonda McGee, Laboratory Manager
or other approved signatory

*Polarized Light Microscopy (PLM) is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing. The test results contained within this report meet the requirements of NELAC unless otherwise noted. 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. The above test report relates only to the items tested. EMSL bears no responsibility for sample collection activities or analytical method limitations. 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. Depew, NY NYS ELAP 11606

Initial report from 10/04/2012 09:47:53

EMSL Analytical, Inc.
490 Rowley Road, Depew, NY 14043
Phone/Fax: (716) 651-0030 / (716) 651-0394
http://www.emsl.com buffalolab@emsl.com

EMSL Order:	141204884
CustomerID:	SHEI62
CustomerPO:	585839
ProjectID:	

Attn: **Roy Stancil**
Shaw Environmental, Inc.
128 South Tryon Street
Charlotte, NC 28202

Phone:	(704) 331-6334
Fax:	(704) 331-6089
Received:	10/03/12 12:57 PM
Analysis Date:	10/4/2012
Collected:	10/3/2012

Project: None

Test Report: Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES	% TOTAL ASBESTOS
B-1 *141204884-0004*	mastic on inside door, holding foam	Non-Fibrous Homogeneous	99.7	None	<1% Chrysotile	<1
B-2 *141204884-0005*	mastic on inside door, holding foam	Gray Non-Fibrous Homogeneous	99.7	None	<1% Chrysotile	<1
B-3 *141204884-0006*	mastic on inside door, holding foam	Gray Non-Fibrous Homogeneous	99.7	None	<1% Chrysotile	<1
C-1 *141204884-0007*	roof shingles	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
C-2 *141204884-0008*	roof shingles	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	
C-3 *141204884-0009*	roof shingles	Black Fibrous Homogeneous	100.0	None	No Asbestos Detected	

Analyst(s)
Rachel Giese (6)

Rhonda McGee

Rhonda McGee, Laboratory Manager
or other approved signatory

Initial report from 10/04/2012 09:47:53

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client:	Shaw Environmental, Inc.			**Report Date:**	10/10/2012
	13 British American Blvd			**Report No.:**	287626
	Latham	NY	12110	**Project:**	Altech Steel - DEC
				Project No.:	134685.2200

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 4809603 **Description / Location:** Black Shingle
Client No.: Dup-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Cellulose	10

Lab No.: 4809603 **Description / Location:** Black Tar **Layer No.:** 2
Client No.: Dup-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
50	Chrysotile	Trace	Cellulose	50

Lab No.: 4809603 **Description / Location:** Black Roof Material **Layer No.:** 3
Client No.: Dup-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 7.8	Chrysotile	85	Cellulose	PC 7.2

Accreditations: **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: T. Barkley **Approved By:**

Date: 10/10/2012

Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Shaw Environmental, Inc.
13 British American Blvd
Latham NY 12110

Report Date: 10/12/2012
Report No.: 287765
Project: Altech Steel DEC
Project No.: 134685.2200

TEM BULK SAMPLE ANALYSIS SUMMARY

IATL No.: 124809603A **Description / Location:** Black Shingle
Client No.: Dup-1

Organic Fraction:	57.7 %	
Gravimetrically Reduced Subsample:	42.3 %	
Percent Asbestos Detected:	Trace	Chrysotile, Detected at < 0.25%
Percent Non-Asbestos Fibrous Material:	ND	None Detected
Percent Non-Fibrous Material:	42.3 %	Other

Comments:

NIST-NVLAP No. 101165-0 **AIHA-LAP, LLC No. 100188** **NYS-DOH No. 11021**

Methodology: Transmission Electron Microscopy (TEM) In Accordance With :
ELAP 198.4 "Method For Identifying And Quantitating Asbestos In Non-Friable Organically Bound Bulk Samples", Revised 1/11/2005.
EPA-600/R-93/116 Section 2.5 "Asbestos In Bulk Building Materials By TEM Gravimetry."

IATL assumes that all sampling methods and data upon which these results are based have been accurately supplied by the client.

The "Gravimetrically Reduced Subsample" is the portion of the submitted sample remaining following the ashing and acid treatment processes. TEM analysis occurs on this portion of the sample. Final results are calculated to represent the sample as submitted.

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government.

Results are verifiable for only those operations and analyses performed in the laboratory.

Analysis Performed By: C. Liska

Date: 10/12/2012

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only):*

Westmont, NJ
107 Haddon Avenue
Westmont, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Company: Shaw Environmental	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note Instructions in Comments" *Third Party Billing requires written authorization from third party*
Street: 128 South Tryon Street Interstate Tower - 14th Floor	
City/State/Zip: Charlotte, NC 28105	
Report To (Name): Roy Stancil	**Fax:** (980) 321-8814
Telephone: 704-331-6334	**Email Address:** ROY.STANCIL@SHAWGRP.COM
Project Name/Number:	
Please Provide Results: Email	**Purchase Order:** **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
- ☐ NIOSH 7400
- ☐ w/OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☐ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☑ NYS 198.1 (friable in NY)
- ☑ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☑ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D-5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☑ Check For Positive Stop – Clearly Identify Homogenous Group

Samplers Name: **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
A-1	CONCRETE FOUNDATION		10/3/12 1020
A-2	CONCRETE FOUNDATION		10/3/12 1025
A-3	CONCRETE FOUNDATION		10/3/12 1030
B-1	MASTIC ON INSIDE DOOR - HOLDING FOAM		10/3/12 1040
B-2	MASTIC ON INSIDE DOOR - HOLDING FOAM		10/3/12 1045
B-3	MASTIC ON INSIDE DOOR - HOLDING FOAM		10/3/12 1050
C-1	ROOF SHINGLES		10/3/12 1055
C-2	ROOF SHINGLES		10/3/12 1059

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

Relinquished (Client): Date: 10/3/12 Time: 1257

Received (Lab): DO Date: 10/3/12 Time: 1257 pm

Comments/Special Instructions: Positive Stop

Asbestos Lab Services Chain of Custody

EMSL Order Number *(Lab Use Only):*

Westmont, NJ
107 Haddon Avenue
Westmont, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
C-3	ROOF SHINGLES		10/3/12 1105

Comments/Special Instructions: Positive Stop

APPENDIX C

FIELD NOTES

Project/Task No.:	134645.2206	Shaw Environmental, Inc.	
Technician Name:	JCH - SMITH		
Other:			
Client Name:	ALTECH STEEL	Contractor:	N
Site Name:		Supervisor:	
Building Name/No.:	WILLIAMSBROOK POND BUILDING	Other:	
Site Location/Rooms:		Notes:	A

DAILY REPORT

Time	Daily Summary Of Activities Date 10/31/12
0930	SIGNED INTO GUARD HOUSE
0945	TALKED WITH MATT SHOSUILLE REGARDING SAMPLING
0950	MEASURED + SKETCHED BUILDING, DIMENSIONS AND LOCATED MANHOLE COVER FOR MATT
1020	TOOK CONCRETE SAMPLES - N, S, E SIDE OF FOUNDATION
1030	PULLED FOAM PANELS OFF - ONLY MASTIC IS ON INSIDE DOOR - TALKED WITH WALT - NO FOAM SAMPLE NECESSARY.
1040	TOOK MASTIC SAMPLES FROM INSIDE DOOR
1055	TOOK SHINGLE SAMPLES - 1 LAYER (N, S, E) SIDES OF ROOF ALSO TOOK DUP SAMPLE
1130	TOOK LEAD PAINT SAMPLES FROM (N, S, W) WALLS BLUE - VERY FLAKEY - DOING MY BEST NOT TO INCLUDE WOOD FRAGMENT - VERY DIFFICULT (SEE PHOTO'S)
1140	- TOOK PHOTOS - WIDE PICTURES ALSO INTERNAL MEMORY OF CAMERA FULL - TOOK REST OF PICTURES WITH PHONE - TALKED TO MATT
1145	MANHOLE - UNABLE TO OPEN 30" ROUND COVER
1200	LEAVING SITE
1300	DROPPED ACM SAMPLES TO LAB

Asbestos Survey Checklist

Date: 10/3/12 Shaw Representatives: JEFF SMITH
Project/Task Number: 134685.2206
Building Name/Number: N/A
Building Address:
City: DUNKIRK State NY County: CHAUTAUQUA
On site contact Person/ Number :
Lat/Long —
Mile Post: —
Dimensions 8x6x6 RECTANGLE
Inspector Asbestos License # 99-11946 Expires Date 5/13
Year Building was Constructed 70'S
Renovation Dates —
Type of Structure VALVE BUILDING
Building Document/Drawings Available/Consulted
Types plans Y or (N) Location
Others Y or (N) Location
Asbestos Documentations Y or (N) Location

Numbers of stories (Floor) 1 Area Each Floor 48 Ft²
Penthouse Area NA Attic Area
Basement Area NA Crawl Space
Numbers of Elevators NONE Numbers of Stops
Slab/Foundation CONCRETE Sub floor NONE
Roof Black Shingles
Floors STEEL GRATES/CONCRETE Ceilings NONE
Exterior Walls WOOD Partition walls NA
HVAC Systems Y or (N) Type
Air Handler Y or (N) Type Number —
Boilers Y or (N) Type
Chillers Y or (N) Type
Building Description: DILAPAMATED BUILDING BUILT OVER TOP OF OPEN GRATES - STANDING WATER UNDERNEATH

Client Name:	ALTECH STEEL/LUYSACS	Abatement Contractor:	N	Shaw Proj/Task No.:	134685.2206
Site Name:	DUNKIRK NY	Abatement Supervisor:		Date Sampled:	10/3/2012
Building Name/No.:	VALVE HOUSE	Other:	A	Technician Name:	JEFF SMITH
Site Location/Rooms:				Other:	

ASBESTOS BULK SAMPLE ASSESSMENT COLLECTION DATA

HOMOGENEOUS AREA	DESCRIPTION OF MATERIAL SIZE COLOR TEXTURE LAYERS	SAMPLE NUMBERS	LOCATION OF MATERIALS ROOM NAME/FUNCTIONAL SPACE	QUANTITY	LOCATION OF MATERIALS ROOM NAME/FUNCTIONAL SPACE	QUANTITY
A	CONCRETE FOUNDATION	A-1	SOUTH FOUNDATION			
		A-2	EAST FOUNDATION			
		A-3	NORTH FOUNDATION			
PHOTO NUMBER						
FRIABILITY						
R I II						
CONDITION: (G) F P		ACCESSIBILITY: (H) M L		DISTURBANCE POTENTIAL: H (M) L		
COMMENTS:					TOTAL QUANTITY	

HOMOGENEOUS AREA	DESCRIPTION OF MATERIAL SIZE COLOR TEXTURE LAYERS	SAMPLE NUMBERS	LOCATION OF MATERIALS ROOM NAME/FUNCTIONAL SPACE	QUANTITY	LOCATION OF MATERIALS ROOM NAME/FUNCTIONAL SPACE	QUANTITY
B	MASTIC HOLDING FOAM PANELS ON INSIDE DOOR	B-1	TOP OF DOOR			
		B-2	MIDDLE DOOR			
		B-3	BOTTOM OF DOOR			
PHOTO NUMBER						
FRIABILITY						
R I II						
CONDITION: G (F) P		ACCESSIBILITY: (H) M L		DISTURBANCE POTENTIAL: (H) M L		
COMMENTS:					TOTAL QUANTITY	

HOMOGENEOUS AREA	DESCRIPTION OF MATERIAL SIZE COLOR TEXTURE LAYERS	SAMPLE NUMBERS	LOCATION OF MATERIALS ROOM NAME/FUNCTIONAL SPACE	QUANTITY	LOCATION OF MATERIALS ROOM NAME/FUNCTIONAL SPACE	QUANTITY
C	ROOF SHINGLES	C-1	EAST SIDE OF ROOF			
		C-2	N SIDE OF ROOF			
		C-3	S SIDE OF ROOF			
PHOTO NUMBER						
FRIABILITY						
R I II						
CONDITION: G F (P)		ACCESSIBILITY: H (M) L		DISTURBANCE POTENTIAL: H (M) L		
COMMENTS:					TOTAL QUANTITY	

FIELD LEGEND: AS-ACOUSTICAL/SPRAYED AT-ACOUSTICAL/TROWELED BB-BASEBOARD BBA-BASEBOARD ADHESIVE CA-CARPET ADHESIVE CK-CAULKING/GLAZING CMD-CEMENTITIOUS MATERIAL CT-CEILING TILE DM-DUCT MASTIC FC-FLOOR COVERING FCM-FLOOR COVERING MASTIC FT-FLOOR TILE FTM-FLOOR TILE MASTIC IN-INSULATION PL-PLASTER RM-ROOFING MATERIAL SFP-STRUCTURAL FIRE PROOFING SU-SINK UNDERCOATING TSI-THERMAL SYSTEM INSULATION WB-WALLBOARD WBJC-WALLBOARD JOINT COMPOUND WC-WALL COVERING WCA-WALL COVERING ADHESIVE VB-VIBRATION DAMPER

Shaw Shaw E & I

Calculation Form

By: JEFF SMITH Date 10/3/12 Subject: ALTECH / SPEEC Sheet No. 1 of 2

Chkd. by _____ Date _____ Proj. No. 134685.2206

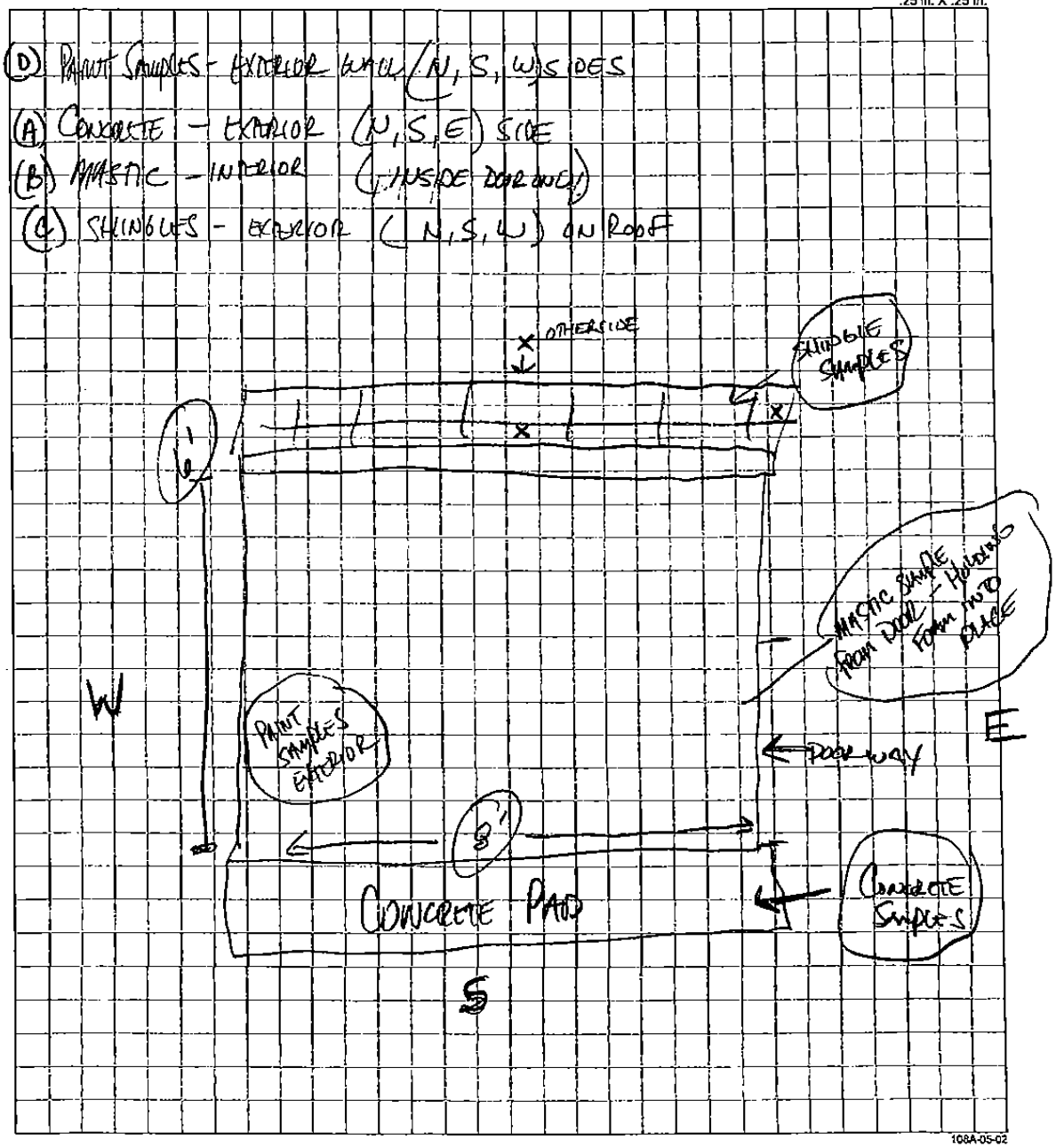
.25 In. X .25 In.

(D) PAINT SAMPLES - EXTERIOR CONC. (N, S, W) SIDES

(A) CONCRETE - EXTERIOR (N, S, E) SIDE

(B) MASTIC - INTERIOR (INSIDE DOOR WAY)

(C) SHINGLES - EXTERIOR (N, S, W) ON ROOF



108A-05-02

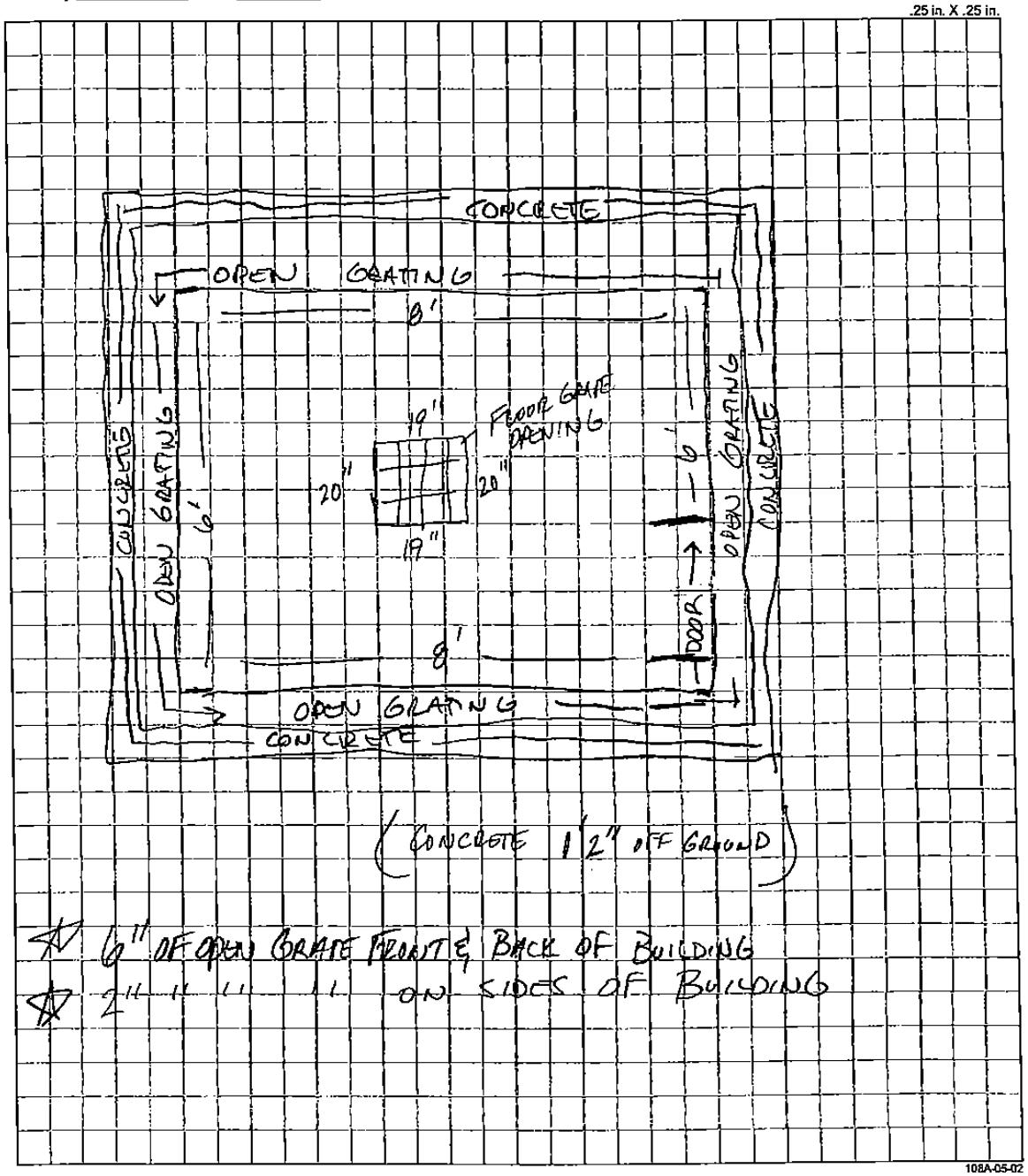
Shaw E & I

Calculation Form

By: JEFF Smith Date 10/3/12 Subject: ALTech Steel Sheet No. 2 of 2

Chkd. by _____ Date _____ Proj. No. ~~1368~~ 136685.2200

.25 in. X .25 in.



108A-05-02

APPENDIX D

NYS DOL ASBESTOS INSPECTOR CERTIFICATION

THE SAFETY AND HEALTH TRAINING CENTER, INC.

2495 Main Street, Suite 118, Buffalo, NY 14214
(716) 838-6850

This is to certify that

Jeffrey R. Smith

Has successfully completed the

ASBESTOS INSPECTOR
INITIAL COURSE

For purposes of accreditation by New York State Department of Health (Part 73)
and the Environmental Protection Agency (TSCA Title II)

Date of Birth 05/01/70

Social Security No. 132-68-1178

NYSDOH Accreditation # 292

Raymond Z Turpin
President & Director of Training

ABIH 3.0 CM Points

Dated *May 2, 2012*

Training Location Buffalo, NY

Certificate No. Insp0114

Expiration Date *05/02/13*

Classroom Lecture 16 Hours
Hands-On Lab 8 Hours

STATE OF NEW YORK - DEPARTMENT OF LABOR

ASBESTOS CERTIFICATE

JEFFREY N SMITH
CLASS (EXPIRES)
D INSP (05/13)

CERT# 99-11946
DMV# 108701460

MUST BE CARRIED ON ASBESTOS PROJECTS

EYES BRO
HAIR BLN
HGT 6' 00"

IF FOUND RETURN TO:
NYSDOL - L&C UNIT
ROOM 161A BUILDING 12
STATE OFFICE CAMPUS
ALBANY NY 12240