

HUNTER ENVIRONMENTAL SCIENCES, INC.

ASBESTOS ABATEMENT  
AT  
THE GREENLEAF SCHOOL  
HAVERHILL, MASS.

PREPARED FOR

THE CITY OF HAVERHILL  
HAVERHILL, MASS.

PREPARED BY:

HUNTER ENVIRONMENTAL SCIENCES, INC.  
THE MALL AT LINCOLN STATION  
P.O. BOX 284  
LINCOLN, MA 01773

AUGUST 20 - SEPTEMBER 8, 1987

HES #370

City of Haverhill  
HES #370  
September 9, 1987

*David V. Wade*  
Hunter Environmental Sciences,

HUNTER ENVIRONMENTAL SCIENCES, INC. (HES) performed inspectional and project management services on behalf of the City of Haverhill in conjunction with an asbestos abatement project at the Greenleaf School, Haverhill, MA. The asbestos abatement contractor for the project was National Surface Cleaning, of Methuen, MA.

There were four (4) distinct phases to the project. The first phase involved glove bag removal of pipe insulation in first floor classrooms and offices. The second phase involved contained removal of pipe insulation in the west half of the basement, including the boiler room. The third phase was also a contained removal in the east half of the school basement. The final phase was glove bag removal from several small basement rooms where the amount of pipe was too small to include in the contained areas.

Preparation for asbestos abatement began on August 20, 1987. Equipment was moved into the building, furniture was moved from rooms where necessary, and all submittals required by the specifications were reviewed and approved. Background air sampling was conducted on the following day prior to glove bag removal on the first floor. Air sampling results are presented in Table 1. Preparation for contained removal in the west half of the basement was also begun. In all areas, the background fiber counts were higher than expected, but below the OSHA occupational exposure standards. The samples have been retained, and they can be analyzed by electron microscopy if the City of Haverhill desires additional information on fiber composition.

Glove bag removal began on the afternoon of August 21, 1987. Asbestos containing insulation was removed from supply and return pipes in classrooms, offices, storerooms, a bathroom, and hallways on the first floor. Procedures followed were in accordance with the specifications. During the course of the first several glove bag removals, the contractor's employees had to be instructed to use additional water and encapsulant. Several samples collected during glove bag removal gave results that were higher than background levels. Clearance samples indicated that the fiber counts in the glove bag areas, except for rooms 3 and 5, were less than 0.01 fibers/cc. In rooms 3 and 5, the fiber counts were approximately at background levels, but the abatement contractor was required to perform additional cleaning. However, air sampling indicated that fiber counts in room 3 still exceeded 0.01 fibers/cc.

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The air sample from room 3 was analyzed to determine fiber composition (Table 2) and size. Eleven (11) confirmed asbestos fibers were found, but only 27.3% of the fibers observed exceed 5 microns in length. Nevertheless, the contractor performed additional cleaning, and he placed the room under negative air filtration. Two additional samples collected from room 3 after the negative air was shut off gave results of less than 0.007 and 0.005 fibers/cc.

Contained asbestos removal in the west half of the basement was performed efficiently and expeditiously. Removal was begun on August 24, 1987, and clearance samples were passed on August 28, 1987. A sample collected outside the decontamination structure on the first day of removal exceeded 0.01 fibers/cc. After the contractor was instructed to use additional care in washing the exterior of waste bags, fiber concentrations were reduced to less than 0.006 fibers/cc.

After clearance samples passed in the west half of the basement, removal preparation was begun in the east portion. Furniture was transferred to the west hallway, or it was secured and covered with polyethylene. Removal was begun on August 31, 1987, and it was completed on September 2, 1987. Again, one sample outside the decontamination facility exceeded 0.01 fibers/cc and background levels. Cleaning of the area in the immediate vicinity of the decontamination structure resulted in fiber concentrations of less than 0.007 fibers/cc. Clearance samples collected on September 1, 1987, were all below 0.01 fibers/cc.

Glove bag removal was performed in basement areas where there were small amounts of pipe insulation. Clearance samples collected at the bottom of the southeast stairwell exceeded 0.01 fibers/cc. The contractor cleaned the area, and a subsequent air sample was less than 0.008 fibers/cc.

Reinsulation was performed in various areas in the building following asbestos abatement. Substantial completion was scheduled for September 4, 1987. However, the contractor had difficulty obtaining stock and he was delayed one working day. Final completion will not be attained until the plumbing contractor replaces several pipe runs in the basement. The insulation contractor will then return to complete his work.

The project was conducted in a timely, efficient, and safe manner by the removal contractor. Despite the time constraints imposed by the bidding process, the Greenleaf School was ready to open on September 9, 1987. All asbestos containing insulation had been removed, and air sample results were less than background levels prior to the project's start.

TABLE I

AIR SAMPLING DATA FOR CITY OF HAVERHILL, MA

<u>Date Collected</u>	<u>Hunter Sample #</u>	<u>Client</u>	<u>Sample Identification</u>	<u>Sample Volume (Liters)</u>	<u># Fibers</u>	<u># Fields</u>	<u>Quantification Limit (Fibers/cc)</u>	<u>Concentration (Fibers/cc)</u>	<u>Date Analyzed</u>
08/21/87	8/87-81(a)	Haverhill	61 Background	1465	16.0	100	0.008	0.013	8/21/87
			Sample in Rm. 2						
	8/87-82(a)	"	62 Background	1965	25.0	100	0.006	0.016	
			Sample in Boy's room						
	8/87-83(a)	"	63 Sample During Glove bag Removal	1778	21.5	100	0.007	0.015	
			Rm. 2						

TABLE I (continued)

## AIR SAMPLING DATA FOR GREENEAF SCHOOL, HAZERHILL, MA

Date Collected	Hunter Sample #	Client	Sample Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
8/21/87	8/87-59(1A)	Haverhill	64 Ra. 2 on Desk N.W. side of room - Clearance	244	10.5	100	0.005	0.005	8/24/87
"	8/87-100(A)	"	65 Ra. 6 on Desk center of room during Glove bay removal	865	16.0	100	0.014	0.023	"
"	8/87-101(A)	"	66 Boiler room On railing By stairs - Background	2122	6.5	100	0.005	(u.)	"
"	8/87-102(A)	"	68 Ra. 5 On desk Center of Room During glove bag removal	1659	35.0	100	0.007	0.023	"

TABLE I (con'tnued)

AIR SAMPLING DATA FOR GREENE EF SCHOOL, HAWTHORNE, MA

Date Collected	Hunter Sample #	Client	Sample Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
08/24/87	8/87-107(A)	Hawthorne	69 Principal's Office	2165	7.5	100	0.005	(D.L.)	8/25/87
"	8/87-108(A)	"	610 Basement Hallway by Arches - Background	1533	8.5	100	0.008	(D.L.)	"
"	8/87-109(A)	"	611 1st floor Outside of Decontamination Entrance Background	1820	2.0	100	0.007	(D.L.)	"
8/87-110(A)	"		612 Rm. 6 Desk center of Room Clearance	2395	7.0	100	0.005	(D.L.)	"
"	8/87-111(A)	"	613 Basement hall (East) outside Work area Background	1524	8.0	100	0.008	(D.L.)	"
"	8/87-112(A)	"	614 1st floor Outside Decontamination During removal	1800	16.5	100	0.007	0.011	"

TABLE I (continued)

AIR SAMPLING DATA FOR GREEN EAF SINK, HAVERHILL, MA

Date Collected	Hunter Sample #	Client	Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
08/25/87	0/87-117(A)	Haverhill M	6-15 Rm. 5	2184	17.0	100	0.006	0.010	8/26/87
			On desk Center of room Clearance						
	0/87-118(A)	"	6-16 Outside Decontamination During removal	2204	8.0	100	0.006	0.01	
	0/87-119(A)	"	6-17 Cold lunch room On table center Of room Background	1854	5.0	100	0.007	0.01	
	0/87-120(A)	"	6-18 Ra. 7 On desk center Of room Clearance	1747	10.5	100	0.007	0.007	

TABLE I (cc ined)

AIR SAMPLING DATA FOR GREENLEAF SCHOOL, Haverhill, MA

Date Collected	Hunter Sample #.	Client	Sample Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
8/26/87	8/87-139(A)	Haverhill	621 Basement S.E. stairwell Clearance	1903	33.5	100	0.006	0.022	8/27/87
"	8/87-140(A)	"	622 Boy's room In post - Center of Room Clearance	1524	9.5	100	0.008	0.008	"
"	8/87-141(A)	"	623 Hall by Arches Clearance	1630	7.5	100	0.007	0.007	"

TABLE I (continued)

## AIR SAMPLING DATA FOR GREENLEAF SCHOOL, HAWTHORNE, MA

<u>Date Collected</u>	<u>Hunter Sample #</u>	<u>Client</u>	<u>Sample Identification</u>	<u>Sample Volume (Liters)</u>	<u># Fibers</u>	<u># Fields</u>	<u>Quantification Limit (Fibers/cc)</u>	<u>Concentration (Fibers/cc)</u>	<u>Date Analyzed</u>
08/27/87	8/87-145(A)	Haverhill MA	G24 Boiler room Railing by Stairs Clearance sample	1583	4.0	100	0.008	0.001	8/28/87
	8/87-146(A)	"	G25 Basement, S.E. stairwell Clearance sample	1892	4.5	100	0.006	0.001	
	8/87-147(A)	"	G26 Rm. 3 Desk, N.W. Corner Clearance sample	1781	16.0	100	0.007	0.011	

TABLE I (continued)

## AIR SAMPLING DATA FOR GREENEAF SCHOOL, HAWERHILL, NH

Date Collected	Hunter Sample #	Client	Sample Identification	Sample Volume (liters)	# Fibers	# Fields	Quantification Limit (Fibers/sec)	Concentration (Fibers/sec)	Date Analyzed
08/31/87	8/87-162(0)	Hawerhill	627 Hot lunchroom Counter - Background Sample	1520	30.5	100	0.008	0.025	9/1/87
	8/87-163(0)		628 Basement Classroom Background	1426	29.0	100	0.009	0.025	
	8/87-164(0)		629 Room 4 Chair South side of room Clearance	1499	8.0	100	0.008	0.018	
	8/87-165(0)		630 Hall Outside Decontamination Area	1435	20.5	100	0.009	0.018	

TABLE I (continued)

## AIR SAMPLING DATA FOR GREENLEE SCHOOL, INVERMILL, MD

Date Received	Hunter Sample #	Client	Sample Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
09/1/87	9/87-6(A)	Haverhill	631 N.E. Stairwell On railing Bottom of Stairs	1448	4.5	100	0.008	(q)	9/2/87
	9/87-7(A)	"	632 Outside Decontamination Area on bottom of B.E. stairwell	1768	7.5	100	0.007	(qL)	
	9/87-8(A)	"	633 Girl's room On chair by Center post Clearance	2587	18.0	100	0.005	0.009	
	9/87-9(A)	"	634 Basement Classroom Chair center Center of Room clearance	2236	11.0	100	0.005	0.005	
	9/87-10(A)	"	635 Hot lunch Room counter Top center of room Clearance	2756	11.0	100	0.004	0.005	

TABLE I (continued)

## AIR SAMPLING DATA FOR GREENLEAF SCHOOL, HAZERHILL, MD

Date Received	Hunter Sample #	Client Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
09/2/87	9/87-18(A)	Haverhill Rm. 5	1795	0.5	100	0.007	(0.0.	9/3/87
		On desk						
		N.W. corner						
		After re-cleaning						
	9/87-19(A)	6 37 Rm. 8	1986	13.0	100	0.006	0.008	
		On desk						
		Center of Room						
		Background						
	9/87-20(A)	6 38 Rm. 3	1630	23.5	100	0.007	0.016	
		On desk						
		Center of Room after Re-cleaning						

## AIR SAMPLING DATA FOR GREENLEAF SCIOO, HAZENHILL, MA

<u>Date Received</u>	<u>Hunter Sample #</u>	<u>Client</u>	<u>Sample Identification</u>	<u>Sample Volume (Liters)</u>	<u># Filters</u>	<u># Fields</u>	<u>Quantification Limit (Fibers/cc)</u>	<u>Concentration (Fibers/cc)</u>	<u>Date Analyzed</u>
09/5/87	9/87-58(A)	Haverhill	G-319 Room 3 on Desk east Side of room After recleaning	1719	3.5	100	0.007	(a)	9/7/87
	9/87-59(A)		G-40 Room 3 on Desk west Side of room After recleaning	2227	2.0	100	0.005	(a)	

TABLE II

EASTERN ANALYTICAL LABORATORIES, INC.  
ANALYSIS FOR CONCENTRATION OF  
AIRBORNE ASBESTOS BY SEM/EDS

CLIENT : HUNTER ENVIRONMENTAL SCIENCES, INC.  
ANALYST : EJB  
DATE : 04-Sep-87

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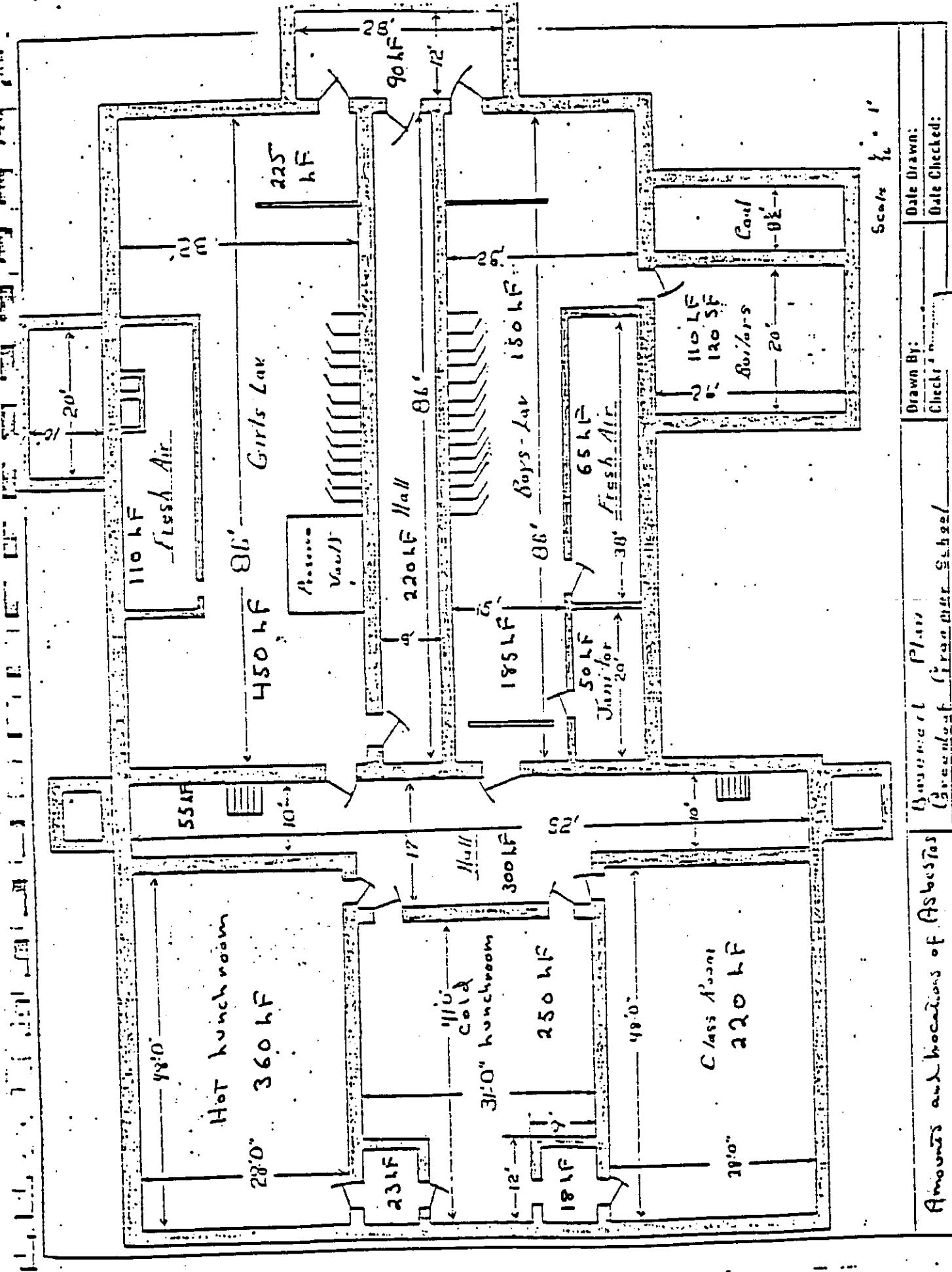
SAMPLE IDENTIFICATION : HES# GS38

SAMPLE LOCATION :

The airborne ASBESTOS FIBER CONCENTRATION is .0135229 fibers per cc of air.

The DETECTION LIMIT for this sample is 1.22935E-03 fibers per cc of air.

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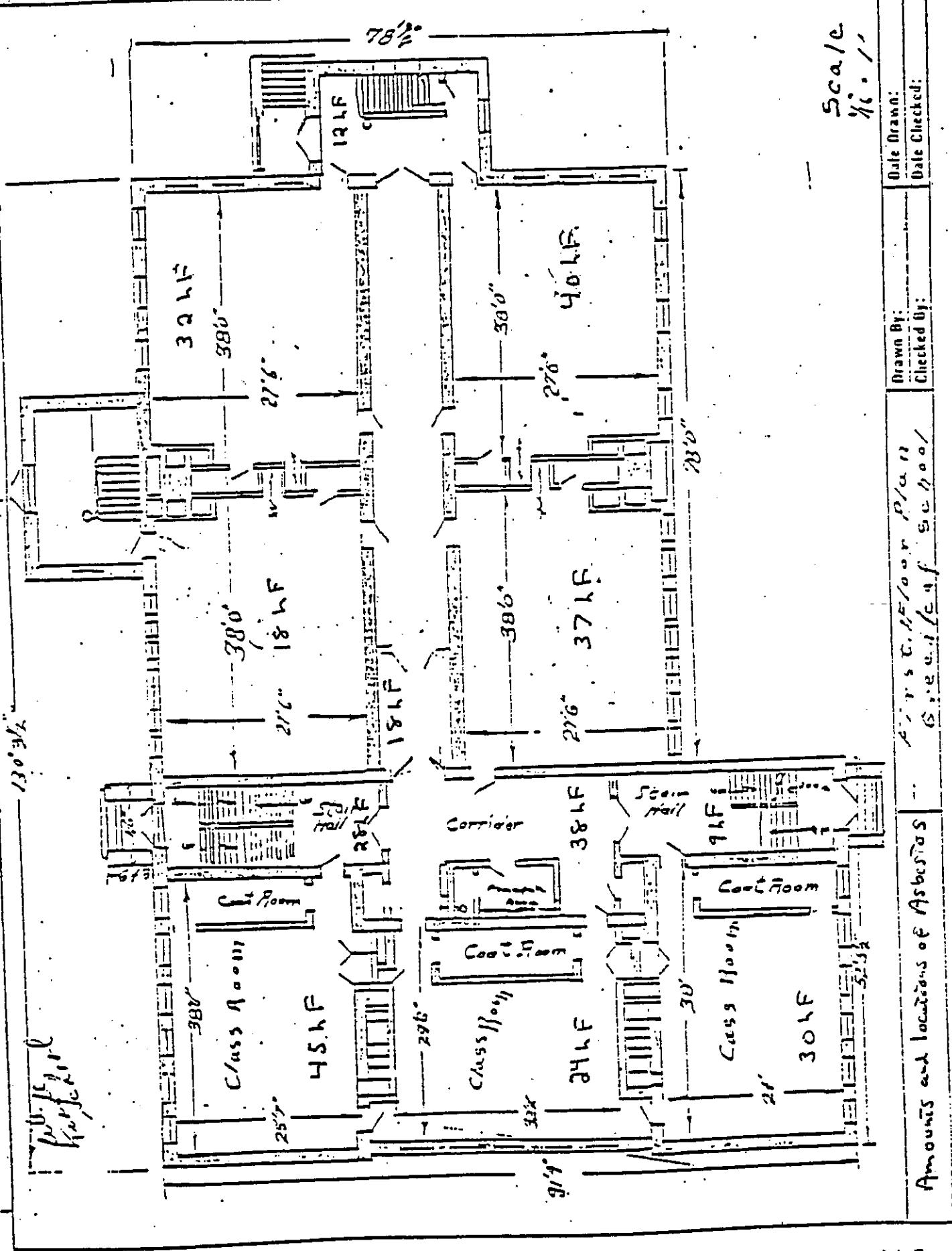
Amounts and locations of Asbestos

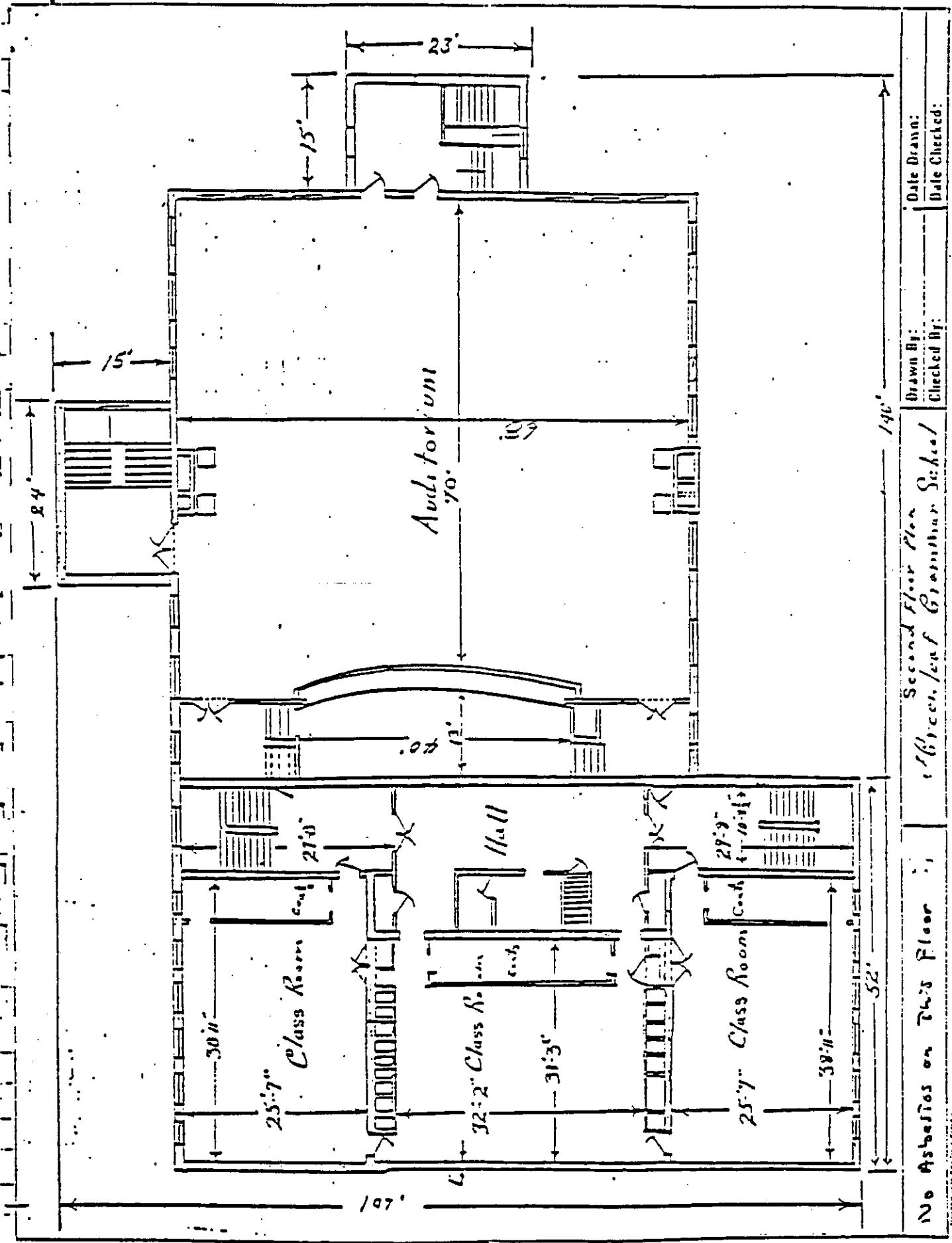
Boiler room Plan

Date Drawn: \_\_\_\_\_

Check'd: \_\_\_\_\_

Date Checked: \_\_\_\_\_





No Publications on This Floor

**APPENDIX C**

**RESPONSE ACTIONS OR PREVENTATIVE MEASURES  
TAKEN BEFORE PREPARATION OF MANAGEMENT PLAN**

City of Haverhill  
HES #370  
September 9, 1987

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There were four (4) distinct phases to the project. The first phase involved glove bag removal of pipe insulation in first floor classrooms and offices. The second phase involved contained removal of pipe insulation in the west half of the basement, including the boiler room. The third phase was also a contained removal in the east half of the school basement. The final phase was glove bag removal from several small basement rooms where the amount of pipe was too small to include in the contained areas.

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Glove bag removal was performed in basement areas where there were small amounts of pipe insulation. Clearance samples collected at the bottom of the southeast stairwell exceeded 0.01 fibers/cc. The contractor cleaned the area, and a subsequent air sample was less than 0.008 fibers/cc.

Reinsulation was performed in various areas in the building following asbestos abatement. Substantial completion was scheduled for September 4, 1987. However, the contractor had difficulty obtaining stock and he was delayed one working day. Final completion will not be attained until the plumbing contractor replaces several pipe runs in the basement. The insulation contractor will then return to complete his work.

The project was conducted in a timely, efficient, and safe manner by the removal contractor. Despite the time constraints imposed by the bidding process, the Greenleaf School was ready to open on September 9, 1987. All asbestos containing insulation had been removed, and air sample results were less than background levels prior to the project's start.

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08/21/87	8/87-81(A)	Haverhill	G1 Background Sample in Rm. 2	1465	16.0	100	0.008	0.013	8/21/87
	8/87-82(A)	"	G2 Background Sample in Boy's room	1965	25.0	100	0.005	0.016	"
	8/87-83(A)	"	G3 Sample During Glove bag Removal Rm. 2	1778	21.5	100	0.007	0.015	"

TABLE I (continued)

AIR SAMPLING DATA FOR GREENLEAF SCHOOL, HAVERHILL, MA

<u>Date Collected</u>	<u>Hunter Sample #</u>	<u>Client</u>	<u>Sample Identification</u>	<u>Sample Volume (Liters)</u>	<u># Fibers</u>	<u># Fields</u>	<u>Quantification Limit (Fibers/cc)</u>	<u>Concentration (Fibers/cc)</u>	<u>Date Analyzed</u>
8/21/87	8/87-93(A)	Haverhill	64 Ra. 2 on Desk N.W. side of room - Clearance	2444	10.5	100	0.005	0.005	8/24/87
"	8/87-100(A)	"	65 Ra. 6 on Desk center of room during Glove bag Removal	855	16.0	100	0.014	0.023	"
"	8/87-101(A)	"	66 Boiler room On railing By stairs - Background	2422	6.5	100	0.005	0.023	"
"	8/87-102(A)	"	68 Ra. 5 On desk Center of Room During glove Bag removal	1859	35.0	100	0.007	0.023	"

TABLE I (co. inued)

AIR SAMPLING DATA FOR GREENLEAF SCHOOL, HAVERHILL, MA

Date Collected	Hunter Sample #	Client	Sample Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc.)	Concentration (Fibers/cc.)	Date Analyzed
08/24/87	8/87-107(A)	Haverhill	69 Principal's Office Chair Center of Room Clearance	2165	7.5	100	0.006	(D)	8/25/87
	8/87-108(A)	*	G10 Basement Hallway by Arches - Background	1533	0.5	100	0.008	(D)	
	8/87-109(A)	*	G11 1st floor Outside of Decontamination Entrance Background	1820	2.0	100	0.007	(D)	
	8/87-110(A)	*	G12 Rm. 6 Desk center of Room Clearance	2395	7.0	100	0.005	(D)	
	8/87-111(A)	*	G13 Basement hall (East) outside Work area Background	1524	8.0	100	0.008	(D)	
	8/87-112(A)	*	G14 1st floor Outside Decontamination During removal	1800	16.5	100	0.007	0.011	

TABLE I (continued)

AIR SAMPLING DATA FOR GREEN-EAF SCHOOL, HAVERHILL, MA

<u>Date Collected</u>	<u>Hunter Sample #</u>	<u>Client</u>	<u>Sample Identification</u>	<u>Sample Volume (liters)</u>	<u># Fibers</u>	<u># Fields</u>	<u>Quantification Limit (Fibers/cc)</u>	<u>Concentration (Fibers/cc)</u>	<u>Date Analyzed</u>
08/25/87	8/87-117(A)	Haverhill MA	G-15 Rm. 5 On desk Center of room Clearance	2184	17.0	100	0.005	0.010	8/26/87
"	8/87-118(A)	"	G-16 Outside Decontamination During removal	2204	8.0	100	0.005	"	"
"	8/87-119(A)	"	G-17 Cold lunch room On table center Off room Background	1854	5.0	100	0.007	"	"
	8/87-120(A)	"	G-18 Rm. 7 On desk center Off room Clearance	1747	10.5	100	0.007	0.007	"

TABLE I (c. -inued)

AIR SAMPLING DATA FOR GREENLEAF SCHOOL, HAVERHILL, MA

<u>Date Collected</u>	<u>Hunter Sample #</u>	<u>Client</u>	<u>Sample Identification</u>	<u>Sample Volume (Liters)</u>	<u># Fibers</u>	<u># Fields</u>	<u>Quantification Limit (Fibers/cc)</u>	<u>Concentration (Fibers/cc)</u>	<u>Date Analyzed</u>
8/26/87	8/87-139(A)	Haverhill	621 Basement S.E. stairwell Clearance	1903	33.5	100	0.006	0.022	8/27/87
"	8/87-140(R)	"	622 Boy's room On post - Center of Room Clearance	1524	9.5	100	0.008	0.008	"
"	8/87-141(A)	"	623 Hall by Arches Clearance	1830	7.5	100	0.007	(R.)	"

TABLE I (continued)

AIR SAMPLING DATA FOR GREENLEAF SCHOOL, HAVERHILL, MA

Date Collected	Hunter Sample #	Client	Sample Identification	Sample Volume (liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
08/27/87	8/87-145(A)	Haverhill MA	624 Boiler room Railing by Stairs Clearance Sample	1583	4.0	100	0.008	0.01	8/28/87
"	8/87-146(A)	"	625 Basement, S.E. stairwell Clearance sample	1892	4.5	100	0.006	0.01	"
"	8/87-147(A)	"	626 Rm. 3 Desk, N.W. Corner Clearance Sample	1781	16.0	100	0.007	0.011	"

TABLE I (continued)

## AIR SAMPLING DATA FOR GREENLEAF SCHOOL, HAVERHILL, MA

Date Collected	Hunter Sample #	Client	Sample Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
08/31/87	8/87-162(A)	Haverhill MA	627 Hot lunchroom Counter - Background Sample	1528	30.5	100	0.008	0.025	9/1/87
"	8/87-163(A)	"	628 Basement Classroom Background	1426	29.0	100	0.009	0.025	"
"	8/87-164(A)	"	629 Room 4 Chair South side Of room Clearance	1499	0.0	100	0.008	0.018	"
"	8/87-165(A)	"	630 Hall Outside Decontamination Area	1435	20.5	100	0.009	0.018	"

TABLE I (continued)

## AIR SAMPLING DATA FOR GREENEFF SCHOOL, INVERHILL, MA

Date Received	Hunter Sample #	Client	Sample Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cm)	Concentration (Fibers/cm)	Date Analyzed
09/1/87	9/87-6(A)	Haverhill	6 31 N.E. Stairwell On railing Bottom of Stairs	1416	4.5	100	0.008	(q1	9/2/87
"	9/87-7(A)	"	6 32 Outside Decontamination Area on bottom of S.E. stairwell	1768	7.5	100	0.007	(q1	"
"	9/87-8(A)	"	6 33 Girl's room On chair by Center post Clearance	2587	16.0	100	0.005	0.009	"
"	9/87-9(A)	"	6 34 Basement Classroom Chair center Center of Room clearance	2236	11.0	100	0.005	0.006	"
"	9/87-10(A)	"	6 35 Hot lunch Room counter Top center Of room Clearance	2756	11.0	100	0.004	0.005	"

TABLE I (continued)

## AIR SAMPLING DATA FOR GREENLEAF SCHOOL, HAVERHILL, MA

Date Received	Hunter Sample #	Client	Sample Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
09/2/87	9/87-18(A)	Haverhill	6 36 Rm. 5 On desk N.W. corner After re-cleaning	1795	8.5	100	0.007	(0L	9/3/87
"	9/87-19(A)	"	6 37 Rm. 8 On desk Center of Room Background	1986	13.0	100	0.006	0.008	"
"	9/87-20(A)	"	6 38 Rm. 3 On desk Center of Room after Re-cleaning	1830	23.5	100	0.007	0.016	"

AIR SAMPLING DATA FOR GREENLEAF SCHOOL, HAVERHILL, MA

Date Received	Hunter Sample #	Client	Sample Identification	Sample Volume (Liters)	# Fibers	# Fields	Quantification Limit (Fibers/cc)	Concentration (Fibers/cc)	Date Analyzed
09/5/87	9/87-58 (A)	Haverhill	6-39 Room 3 on Desk east Side of room After recleaning	1719	3.5	100	0.007	(A.)	9/7/87
	9/87-59 (A)	"	6-40 Room 3 on Desk west Side of room After recleaning	2527	2.0	100	0.005	(A.)	

TABLE II

EASTERN ANALYTICAL LABORATORIES, INC  
ANALYSIS FOR CONCENTRATION OF  
AIRBORNE ASBESTOS BY SEM/EDS

CLIENT : HUNTER ENVIRONMENTAL SCIENCES, INC.  
ANALYST : EJB  
DATE : 04-Sep-87

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SAMPLE IDENTIFICATION : HES# GS38

SAMPLE LOCATION :

The airborne ASBESTOS FIBER CONCENTRATION is .0135229 fibers per cc of air.

The DETECTION LIMIT for this sample is 1.22935E-03 fibers per cc of air.

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1. Address, building, and room number(s) or description of area where work is to be performed:

2. Requested starting date: \_\_\_\_\_ Anticipated finish:

3. Description of work:

4. Description of any asbestos containing material that might be affected, if known (include location and type):

5. Name and telephone of supervisor:

Submit this work permit request to the designated AHERA coordinator.