



**Asbestos Inspection Report
for
Eastern Connecticut State University
Nathan Hale Hall
833 Main Street
Willimantic, Connecticut**

**Project # BI-2B-753 (RW-02-3)
DPW # 68416**

prepared for:

State of Connecticut
Department of Public Works

February 25 - 28,
March 1, 4, and 5, 2002

EnviroMed Project # IH-02-121

25 Science Park • New Haven, CT 06511
(203) 786-5580 • facsimile (203) 786-5579



**Asbestos Inspection Report
for
Eastern Connecticut State University
Nathan Hale Hall
833 Main Street
Willimantic, Connecticut**

**Project # BI-2B-753 (RW-02-3)
DPW # 68416**

prepared for:

State of Connecticut
Department of Public Works

February 25 - 28,
March 1, 4, and 5, 2002

EnviroMed Project # IH-02-121

25 Science Park • New Haven, CT 06511
(203) 786-5580 • facsimile (203) 786-5579



STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS



T. R. Anson
Commissioner

February 11, 2002

Mr. Larry Cannon, President
EnviroMed Services, Inc.
25 Science Park
New Haven, Connecticut 06511

IH - 02-121

Subject: Project BI-2B-753 (RW-02-3)
Asbestos Testing - ECSU/Nathan Hale
ACM
83 Windham St.
Willimantic, CT
(DPW #68416)

2/12/02

Dear Mr. Cannon:

In accordance with our Term Contract, 990-A-04-0484-C with your firm for air and bulk sampling work April 1, 2000 through March 31, 2002, please arrange a visit and take bulk samples to determine the presence of asbestos as soon as possible.
Agency funding is requested for lead sampling.

Please contact the following person for guidance:

Eric Germain, Tel. (860) 465-0089

Please advise me via fax of your findings and follow with a report to this office and 2 copies to Eric Germain, ECSU, EH & Safety Coordinator, 83 Windham St., Willimantic, CT.

In your invoice, please reference your Purchase Order number, the building name, Project BI-2B-753 (RW-02-3), DPW #68416.

Sincerely,

John Wytas
John Wytas, Project Coordinator I
Statewide Services
Asbestos/Lead Abatement

JW/pw
cc: G. Glassman, DPW
R. Skomro, DPH
E. Germain, ECSU
File #68416

EnviroMed - In Accord. Let. RW-02-3 Asb. Test.

TABLE OF CONTENTS

Section	Page
I. PROJECT NARRATIVE	1
Overview	1
Summary of Results	2
II. SAMPLE LOCATION DIAGRAMS.....	17
III. SAMPLE LOG AND RESULTS TABLE.....	28
IV. LABORATORY ANALYSIS SHEETS.....	46

I. PROJECT NARRATIVE

Overview

On February 25, 26, 27, 28, and March 1, 4, and 5, 2002, state-licensed inspectors from EnviroMed Services, Inc. (EnviroMed) performed an inspection at Eastern Connecticut State University – Nathan Hale Hall, located at 833 Main Street in Willimantic, Connecticut. The purpose of this inspection was to identify the presence of asbestos in suspect building materials in or on the main building and adjacent garage building, so that any asbestos-containing material could be removed prior to renovation.

Samples were collected according to 40 CFR Part 763.86 and 29 CFR Part 1926.1101, and analyzed using Polarized Light Microscopy (PLM).

A total of four hundred twenty-two (422) bulk samples were collected. The materials sampled include: 9"x9" white vinyl floor tile and associated black mastic, five types of white exterior window glazing, 2'x2' nailed-in fixed ceiling tile, brown fiberboard, white fiberboard, black mastic on foil faced fiberglass wall insulation, white interior door frame caulk, knob and tube black braided wire insulation, three types of window frame caulk, interior window glazing, four types of door glass glazing, exterior storm window frame caulk, black and beige storm window adhesive, two types of store front glass glazing, two types of transom window glazing, hard white door frame sealant, gray paper foil laminate, all layers of incinerator breeching insulation, walk-in cooler cementitious skim coat, black walk-in cooler door seal, gray walk-in cooler door seal, six types of the wall plaster, three types of the ceiling plaster, two types of plaster wall patching compound, plaster ceiling patching compound, gray boiler foundation cement, brown boiler foundation cement, two types of yellow fire brick, boiler rib rope, two types of boiler burner gaskets, walk-in cooler black mastic, terracotta wall, two types of wall to pipe interface sealant, two types of gray door glass sealant, gypsum wallboard and associated joint compound, 2'x4' suspended ceiling tiles with worms and pin holes, 2'x4' suspended ceiling tiles with stringy texture, four types of 4" black cove base and associated glue, three types of floor leveling compound, glue under wine carpet, glue under green carpet, two types of tan glue under black carpet padding, tan glue under brown carpet, 9"x9" white with gray streaks vinyl floor tile, black mastic and tar paper under 9"x9" white with gray streaks vinyl floor tile, 9"x9" white and 9"x9" black vinyl floor tiles in checkered pattern and associated mastic, 9"x9" black with red slate pattern vinyl floor tile and associated black mastic, 4" green cove base and associated glue, tan terrazzo flooring, black terrazzo flooring, black terrazzo base molding, green linoleum and underlying brown glue and gray felt paper, glue behind 3" red metal wall tile, white setting

compound behind 4" ceramic wall tile, tan glue behind 4" white ceramic wall tile, beige blue behind 4" ceramic wall tile, paper backing under 1" hexagonal ceramic floor tile, 1" hexagonal ceramic floor tile setting compound, tan glue under red carpet, green glue under black carpet padding, brown and green linoleum and underlying black felt paper and black mastic, brown linoleum and underlying black felt paper and glue, glue behind 4" blue ceramic wall tile, tan glue under orange carpet, 9"x9" red speckled vinyl floor tile and underlying black mastic and gray fiberboard, crown molding plaster, anti-slip stair tread glue, red vinyl wall paper painted white, beige vinyl wall paper painted white, wall breaching cement, gray friable parapet wall cap caulk, beige parapet wall cap caulk, gray flashing cement, gray flashing paper, black flashing paper, black patching cement, two types of vent flashing paper, black roofing cement, all layers comprising the built-up roofing, white gypsum aggregate, gray fiberboard door panel, black roll-on roof sealant, all layers comprising the rolled on roofing, pitch box tar, slate colored asphalt roofing shingles, and black flashing cement.

The pipe insulation and associated mudded fittings, and boiler breaching insulation were not sampled during this inspection. These materials were previously sampled by the Versar Risk Management Inc. (Versar, Inc.) in February 1987, and found to be asbestos-containing. Please refer to the Versar, Inc.'s Asbestos Inspection Report, dated February 1987.

Refer to Section II, Bulk Sample Location Diagrams, for bulk sample locations and identification.

Summary of Results

EnviroMed Services, Inc.'s accredited asbestos laboratory (NVLAP #101514-0) analyzed the bulk samples. Section III presents the complete list of analytical results for samples collected. The following presents the locations and estimated quantities of materials found to contain asbestos greater than 1.0 percent.

Garage

Ground Floor

There is approximately 24 square feet of 9"x9" white vinyl floor tile and black mastic located in the toilet room. The 9"x9" white vinyl floor tile was found to contain 4 percent asbestos. The black mastic under the floor tile was found to contain no asbestos.

There is approximately 38 square feet of loose white fiberboard located on a shelf in Room 4. The white fiberboard was found to contain 40 percent asbestos.

There is approximately 20 square feet of black chalkboard located on the wall of Room 5. Due to the storage of materials in this room the chalkboard could not be accessed for sampling. The chalkboard and any mastic shall be presumed to contain asbestos until sampling and analysis prove otherwise.

Basement

There is approximately 75 linear feet of aircell pipe insulation and associated mudded pipe fittings located in the basement that is significantly damaged. These materials were previously sampled by Versar, Inc. in February 1987 and found to be asbestos-containing.

Roof

There is approximately 6,080 square feet of black roll-on roofing material located on the garage roof. The second layer of roofing was found to contain 4 percent asbestos. The third layer of roofing was found to contain 5 percent asbestos. The first, fourth, fifth, sixth and seventh layers were found to contain no asbestos. The black cement joint sealant and flashing paper were found to contain no asbestos.

Main Building

Basement

The suspect pipe insulation and associated pipe fittings located throughout the basement were found to be the same materials as identified in the Versar Inc.'s report dated February 1987.

Boiler and Incinerator Room

There is approximately 8 square feet of gray paper with foil laminate located on the electrical junction box at the ceiling level in the incinerator room. This material was found to contain 40 percent asbestos.

There is approximately 22 square feet of two layers of incinerator breeching insulation located on the incinerator. The first layer of incinerator breeching insulation was found to contain 20 percent asbestos. The second layer of incinerator breeching insulation was found to contain 10 percent asbestos. The incinerator firebricks were found to contain no asbestos, however the possibility exists that suspect material may be found between the interior firebricks and exterior bricks of the incinerator.

There are approximately 190 square feet of boiler insulation among the two boilers, and approximately 355 square feet of boiler breeching insulation in these rooms. These materials were found to be the same materials as identified in the asbestos inspection report by Versar Inc. dated February 1987.

There is approximately 257 linear feet of boiler rib rope located among the two boilers. This material was found to contain 40 percent asbestos.

There is approximately 38 linear feet of exterior door and window frame caulk located around the exterior door and window frames. This material was found to contain 5 percent asbestos.

There are approximately 1 linear foot of 6" pipe insulation located behind the two boiler condensate and boiler makeup tanks, and 4 dirty mudded pipe fittings located adjacent to the condensate and boiler makeup tanks' clean-out ports.

There are 6 pipe flange gaskets and two clean-out port gaskets located among the two boiler condensate and boiler make-up tanks. These materials were not sampled due to the physical constraints, and shall be presumed to contain asbestos until sampling and laboratory analysis prove otherwise.

Rooms B-1 to B-10, Pipe Tunnel, Custodial Closet, Hallway, and Stairwell

The following asbestos-containing materials were found in these areas:

<u>Location</u>	<u>Asbestos Containing Material</u>	<u>Approx. Quantity</u>
Room B-1	2" pipe insulation	10 linear feet
	mudded pipe fittings	2
	3" pipe insulation	24 linear feet

<u>Location</u>	<u>Asbestos Containing Material</u>	<u>Approx. Quantity</u>
Room B-7	mudded pipe fittings	2
Room B-8	2" pipe insulation	6 linear feet
	mudded pipe fittings	2
	4" pipe insulation	3 linear feet
Room B-8	mudded pipe fittings	3
Room B-10	3" pipe insulation	6 linear feet
	mudded pipe fittings	1
	12" pipe insulation	40 linear feet
	mudded pipe fittings	3
Custodial Closet	pipe insulation	1.5 linear feet
	mudded pipe fittings	3
Hallway	pipe insulation	0.5 linear feet
	mudded pipe fittings	7
Stairwell	pipe insulation	12 linear feet

Note: The following basement areas have pipe insulation that is significantly damaged with visible debris on the floors and/or residue on pipes pipe tunnel, hallway outside rooms B-4 and B-7, and custodial closet. In room B-5 there is approximately one linear foot of loose asbestos-containing pipe insulation laying on the top of the walk-in coolers in this room.

Ground Floor

Throughout

There is approximately 11,400 square feet of two-layer wall plaster (type 4) located throughout this floor. The wall plaster base coat was found to contain 2-4 percent asbestos by the PLM (Polarized Light Microscopy) visual estimate method, and 1.2-1.5 percent asbestos by the PLM point count method. The wall plaster skim coat was found to contain no asbestos.

Room 9 – Storage Room (old kitchen)

There are approximately 1,010 square feet of 4" white ceramic wall tile with black tile base and top border glued onto two layered wall plaster. The tan glue behind the ceramic wall tiles was found to contain 14 percent asbestos. The white setting compound and beige setting compound behind 4" white ceramic wall tile were found to contain no asbestos.

There is approximately 44 linear feet of exterior window frame caulk located around two steel sashed window frames in this area. This material was found to contain 5 percent asbestos by the PLM visual estimate method, and 3.2 percent asbestos by the PLM point count method.

There is approximately 23 linear feet of exterior hard white doorframe sealant located along the exterior doorway. The white hard doorframe sealant was found to contain 10 percent asbestos. The transom widow glazing and white door glass glazing were found to contain no asbestos.

Break Room and Stairwell

There is approximately 8 linear feet of gray door glass sealant (type 2) located among the doors in these areas. This material was found to contain 13 percent asbestos.

Mail Room

There is approximately 465 square feet of floor covering comprised of green and brown carpet over black carpet padding and associated tan glue. The tan glue under the black carpet padding was found to contain 12 percent asbestos.

There is approximately 80 linear feet of exterior window frame caulk (type 1) located around the exterior window and door frames. The frame caulk was found to contain 15 percent asbestos. The window glazing on these windows was found to contain no asbestos.

Women's Room

There is approximately 36 square feet of 9"x9" white vinyl floor tile and 9"x9" black vinyl floor tile in a checkered pattern with black mastic located in the women's room. The 9"x9" white vinyl floor tile was found to contain 23 percent asbestos. The 9"x9" black vinyl floor tile was found to contain 30 percent asbestos. The black mastic under the 9"x9" white and 9"x9" black vinyl floor tiles was found to contain 10 percent asbestos.

Rooms 1, 2, and 3- Offices

There is approximately 340 square feet of floor covering comprised of brown carpet and associated tan glue over 9"x9" black with red slate pattern vinyl floor tile and black mastic located in the Room 2. The 9"x9" black with red slate pattern vinyl floor tile was found to

contain 25 percent asbestos. The black mastic was found to contain 37 percent asbestos. The tan glue under brown carpet was found to contain no asbestos.

There is approximately 340 square feet of floor covering comprised of brown carpet and associated tan glue over 9"x9" white with gray streaks vinyl floor tile, black mastic and black tar paper located in the Room 3. The 9"x9" white with gray streaks vinyl floor tile was found to contain 5 percent asbestos. The black mastic and black tar paper was found to contain 15 percent asbestos. The tan glue under brown carpet was found to contain no asbestos.

There is approximately 150 linear feet of exterior window frame caulk (type 1) located along the exterior window and door frames. The frame caulk was found to contain 15 percent asbestos. The window glazing and door glass glazing on these windows and doors were found to contain no asbestos.

There is approximately 55 square feet of exterior gray flashing cement located along the top of the front window and door units (store fronts). This material was found to contain 10-14 percent asbestos.

There is approximately 18 linear feet of exterior black and beige storm window adhesive sealant and storm window frame sealant located among one storm window in Room 1. The black and beige storm window frame adhesive sealant was found to contain 2-8 percent asbestos by PLM visual estimate method and 1.0-2.0 by PLM point count method. The storm window frame caulk was found to contain 8 percent asbestos by PLM visual estimate, and 4.1 percent asbestos by the PLM point count method.

Front Entrance Hall

There is approximately 27 linear feet of interior door frame caulk located along the exterior door frame. This material was found to contain 4 percent asbestos by the PLM visual estimate method, and 1.2 percent asbestos by the PLM point count method.

There is approximately 90 linear feet of interior and exterior hard white glazing located on the exterior door and side and overhead glass. The white hard glazing was found to contain 7 percent asbestos by the PLM visual estimate method, and 2.2 percent asbestos by the PLM point count method.

There is approximately 27 linear feet of exterior door frame caulk located along the exterior door frame. This material was found to contain 8 percent asbestos by the PLM visual estimate method and 1.5 percent asbestos by the PLM point count method.

First Floor

Throughout

There is approximately 8,300 square feet of two-layer wall plaster (type 4) located throughout this floor. The wall plaster base coat was found to contain 2-4 percent asbestos by the PLM visual estimate method, and 1.2-1.5 percent asbestos by the PLM point count method. The wall plaster skim coat was found to contain no asbestos.

There is approximately 325 linear feet of exterior window frame caulk, storm window frame caulk, and black and beige storm window adhesive sealant located along the exterior window frames on this floor. The exterior window frame caulk was found to contain 15 percent asbestos. The black and beige storm window frame adhesive sealant was found to contain 8 percent asbestos by the PLM visual estimate method, and 2.0 percent asbestos by the PLM point count method. The storm window frame caulk was found to contain 8 percent asbestos by the PLM visual estimate method, and 4.1 percent asbestos by the PLM point count method.

Hallway

There is approximately 550 square feet of ceiling plaster patching compound located in this area. The ceiling plaster patching compound was found to contain 3 percent asbestos by the PLM visual estimate method, and 4.0 percent asbestos by the PLM point count method. The ceiling plaster (type 1) skim coat and base coat were found to contain legally insignificant amounts (0-1 percent) of asbestos.

Fire Escape Hallway (Room 112)

There is approximately 21 linear feet of exterior fire escape door frame caulk located along one exterior fire escape door frame. The exterior fire escape door frame caulk was found to contain 8 percent asbestos by the PLM visual estimate method, and 1.5 percent asbestos by the PLM point count method. The fire escape door glass glazing was found to contain no asbestos.

Second Floor

Throughout

There is approximately 14,440 square feet of two-layer wall plaster (type 4) located throughout this floor. The wall plaster base coat was found to contain 2-4 percent asbestos by the PLM visual estimate method, and 1.2-1.5 percent asbestos by the PLM point count method. The wall plaster skim coat was found to contain no asbestos.

There is approximately 325 linear feet of exterior window frame caulk, storm window frame caulk, and black and beige storm window adhesive sealant located along the exterior window frames on this floor. The exterior window frame caulk was found to contain 15 percent asbestos. The black and beige storm window frame adhesive sealant was found to contain 8 percent asbestos by the PLM visual estimate method, and 2.0 percent asbestos by the. The storm window frame caulk was found to contain 8 percent asbestos by the PLM visual estimate method, and 4.1 percent asbestos by the PLM point count method.

Hallway

There is approximately 265 square feet of 9"x9" red speck vinyl floor tile and black mastic located under orange carpet in the elevator vestibule and hallway from the elevator vestibule to the east end of the hall. The black mastic was found to contain 11 percent asbestos. The 9"x9" red speck vinyl floor tile was found to contain legally insignificant amounts (0-1 percent) of asbestos. The tan carpet glue was found to contain no asbestos.

Fire Escape Hallway

There is approximately 21 linear feet of exterior fire escape door frame caulk located along one exterior fire escape door frame. The exterior fire escape door frame caulk was found to contain 8 percent asbestos by the PLM visual estimate method, and 1.5 percent asbestos by the PLM point count method. The fire escape door glass glazing was found to contain no asbestos.

Third Floor

Throughout

There is approximately 14,440 square feet of two-layer wall plaster (type 4) located throughout this floor. The wall plaster base coat was found to contain 2-4 percent asbestos by the PLM visual estimate method, and 1.2-1.5 percent asbestos by the PLM point count method. The wall plaster skim coat was found to contain no asbestos.

There is approximately 325 linear feet of exterior window frame caulk, storm window frame caulk, and black and beige storm window adhesive sealant located along the exterior window frames on this floor. The exterior window frame caulk was found to contain 15 percent asbestos. The black and beige storm window frame adhesive sealant was found to contain 8 percent asbestos by the PLM visual estimate method, and 2.0 percent asbestos by the PLM point count method. The storm window frame caulk was found to contain 8 percent asbestos by the PLM visual estimate method, and 4.1 percent asbestos by the PLM point count method.

Hallway

There is approximately 265 square feet of flooring comprised of red carpet and associated tan glue, over 9"x9" red speck vinyl floor tile and black mastic over gray fiberboard located in the elevator vestibule and hallway from the elevator vestibule to the east end of the hallway. The black mastic was found to contain 11 percent asbestos. The 9"x9" red speck vinyl floor tile was found to contain legally insignificant amounts (0-1 percent) of asbestos. The gray fiberboard and tan carpet glue was found to contain no asbestos.

Fire Escape Hallway

There is approximately 21 linear feet of exterior fire escape door frame caulk located along one exterior fire escape door frame. The exterior fire escape door frame caulk was found to contain 8 percent asbestos by the PLM visual estimate method, and 1.5 percent asbestos by the PLM point count method. The fire escape door glass glazing was found to contain no asbestos.

Fourth Floor

Throughout

There is approximately 14,440 square feet of two-layer wall plaster (type 4) located throughout this floor. The wall plaster base coat was found to contain 2-4 percent asbestos by the PLM visual estimate method, and 1.2-1.5 percent asbestos by the PLM point count method. The wall plaster skim coat was found to contain no asbestos.

There is approximately 325 linear feet of exterior window frame caulk, storm window frame caulk, and black and beige storm window adhesive sealant located along the exterior window frames on this floor. The exterior window frame caulk was found to contain 15 percent asbestos. The black and beige storm window frame adhesive sealant was found to contain 8 percent asbestos by the PLM visual estimate method, and 2.0 percent asbestos by the PLM point count method. The storm window frame caulk was found to contain 8 percent asbestos by the PLM visual estimate method, and 4.1 percent asbestos by the PLM point count method.

Fire Escape Hallway

There is approximately 21 linear feet of exterior fire escape door frame caulk located along one exterior fire escape door frame. The exterior fire escape door frame caulk was found to contain 8 percent asbestos by the PLM visual estimate method, and 1.5 percent asbestos by the PLM point count method. The fire escape door glass glazing was found to contain no asbestos.

Stairwell and Elevator Mechanical Room

There is approximately 420 square feet of two-layer wall plaster (type 4) located on the interior walls of the stairwell. The wall plaster base coat was found to contain 4 percent asbestos by the PLM visual estimate method, and 1.5 percent asbestos by the PLM point count method. The wall plaster skim coat was found to contain no asbestos.

There is approximately 240 square feet of single coat ceiling plaster (type 3) located in the elevator mechanical room. This material was found to contain 2 percent asbestos by the PLM visual estimate method, and 1.5 percent by the PLM point count method. This material was found to be significantly damaged.

There is approximately 445 square feet of one coat wall plaster (type 6) located in the elevator mechanical room. This material was found to contain 2 percent asbestos by the PLM visual estimate method, and 1-1.2 percent by the PLM point count method. This material was found to be significantly damaged.

There is approximately 39 linear feet of exterior door frame caulk located along the exterior door and window frames. This material was found to contain 3 percent asbestos by the PLM visual estimate method, and 1.5 percent asbestos by the PLM point count method. The window glazing was found to contain no asbestos.

Main Roof

There is approximately 67 square feet of vent tube flashing paper located around approximately 20 roof penetrations. This material was found to contain 15 percent asbestos.

There is approximately 1,390 square feet of gray flashing paper, gray flashing cement, black roofing cement, and black patching cement located along the base of penthouse, parapet walls and wall cap joints. The gray flashing cement was found to contain 14 percent asbestos. The black roofing cement was found to contain 15 percent asbestos. The black patching cement was found to contain 13 percent asbestos.

There is approximately 105 linear feet of friable gray parapet wall cap joint caulk located among the parapet wall cap joints. The gray parapet wall cap joint caulk was found to contain 12 percent asbestos. The beige parapet wall cap joint caulk was found to contain no asbestos.

There is approximately 4 square feet of gray flashing cement located at the front ledge ends. This material was found to contain 14 percent asbestos.

All layers of the built-up roofing, and white gypsum aggregate were found to contain no asbestos.

Elevator Mechanical Room Roof and Exterior Wall

There is approximately 135 square feet of gray flashing paper and gray flashing cement located along the penthouse roof perimeter and wall cap joints. The gray flashing cement was found to contain 14 percent asbestos.

There is approximately 715 square feet of black roofing cement applied to three exterior walls of the Elevator Mechanical Room and Stairwell. The black roofing cement was found to contain 10 percent asbestos.

All layers of the built-up roofing, and white gypsum aggregate were found to contain no asbestos.

Lower Roof

There is approximately 180 square feet of gray flashing cement located along the perimeter of the roof. This material was found to contain 14 percent asbestos.

Note: The top layer of the Lower Roof is comprised of rubber membrane. No destructive sampling was performed on the rubber roof and skylights per building owner's representative direction, so as not to cause roofing leakage or to void any warranty still in effect. However, the possibility exists that suspect asbestos-containing materials (e.g. gray flashing cement, skylight glazing, built-up roofing, etc.) may be located under the rubber roof or plastic tarpaulins on skylights.

Shed Roof

There is approximately 20 square feet of black flashing cement and gray flashing cement located along the shed roof and wall interface. The black flashing cement was found to contain 4 percent asbestos. The gray flashing cement was found to contain 10 percent asbestos. The slate colored roof shingles located on the roof and one side of the shed wall were found to contain no asbestos.

Non-Asbestos Containing Materials Found During the Inspection

The following materials were found to contain legally insignificant amounts (0–1 percent) of asbestos: five types of white exterior window glazing, 2'x2' nailed-in fixed ceiling tile, brown fiberboard, black mastic on foil faced fiberglass wall insulation, white interior door frame caulk, knob and tube black braided wire insulation, interior window glazing, two types of white door glass sealant, one type white door glazing – type 2, transom window glazing, walk-in cooler cementitious skim coat, gray walk-in cooler door seal, gray walk-in cooler door seal, four types of wall plaster, two types of ceiling plaster, two types of plaster wall patching compound, gray boiler foundation cement, brown boiler foundation cement, two types of yellow fire brick, two

types of boiler burner gaskets, walk-in cooler black mastic, terracotta wall, two types of wall-pipe interface sealant, gray door light sealant – type 1, gypsum wallboard and associated joint compound, 2'x4' suspended ceiling tiles with worms and pin holes, 2'x4' suspended ceiling tiles with stringy texture, four types of 4" black cove base and associated glue, three types of floor leveling compound, glue under wine carpet, green glue under green carpet, tan glue under black carpet padding – type 2, 4" green cove base and associated glue, tan terrazzo flooring, black terrazzo flooring, black terrazzo base molding, green linoleum, and associated underlying brown glue and gray felt paper, glue behind 3" red metal wall tile, paper backing under 1" hexagonal ceramic floor tile, 1" hexagonal ceramic floor tile setting compound, tan glue under red carpet, green glue under black carpet padding, brown and green linoleum and underlying black felt paper and black mastic, brown linoleum and underlying black felt paper and glue, glue behind 4" blue ceramic wall tile, tan glue under orange carpet, plaster cornice molding, anti-slip stair tread glue, red vinyl wall paper painted white, beige vinyl wall paper painted white, wall breeching cement, green linoleum and associated underlying black felt paper and glue, gray fiberboard door panel, and pitch box tar.

See Section IV for a copy of the laboratory analysis sheets for the samples collected.

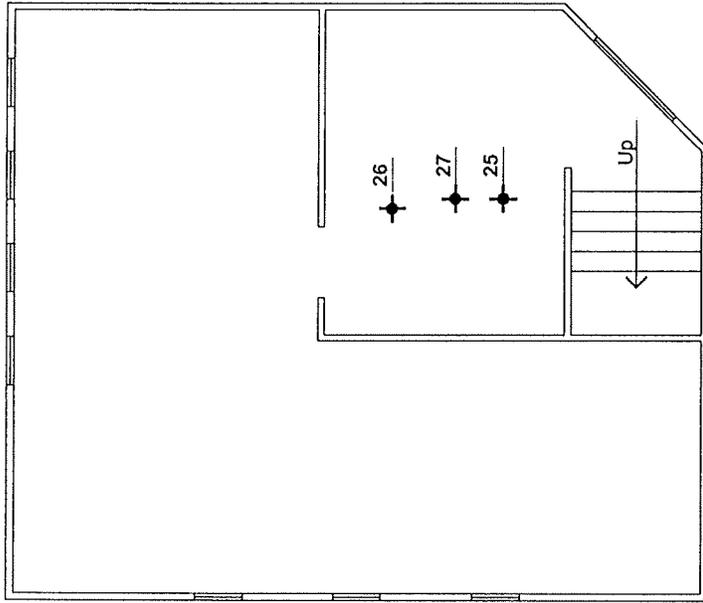
Additional Notes:

1. Although asbestos-containing pipe insulation and mudded pipe fittings were observed within pipe chases. Due to physical constraints, quantification of these materials in pipe chases could not be determined.
2. The possibility exists that suspect asbestos-containing materials may be located behind fixed walls, under fixed flooring or above fixed ceilings. During renovation activities, upon the penetration or demolition of a fixed wall or ceiling, should any suspect materials be seen or become accessible, all activities shall cease and the materials shall be sampled by a licensed inspector to determine the presence of asbestos.
3. In case where the vinyl floor tile is found to contain no asbestos, but the mastic beneath the vinyl floor tile is found to contain asbestos, the vinyl floor tile is considered to be asbestos contaminated due to the fact that separation of mastic from vinyl floor tile is not technically feasible.

4. Due to the present occupation of the building, no destructive sampling of the fire doors was performed. Any insulation encased in the fire doors shall be presumed to be asbestos containing until sampling and analysis proves otherwise.

5. This report shall not be used as a scope of work, only Asbestos Abatement Specifications prepared by a licensed Project Designer shall be used to perform asbestos abatement.

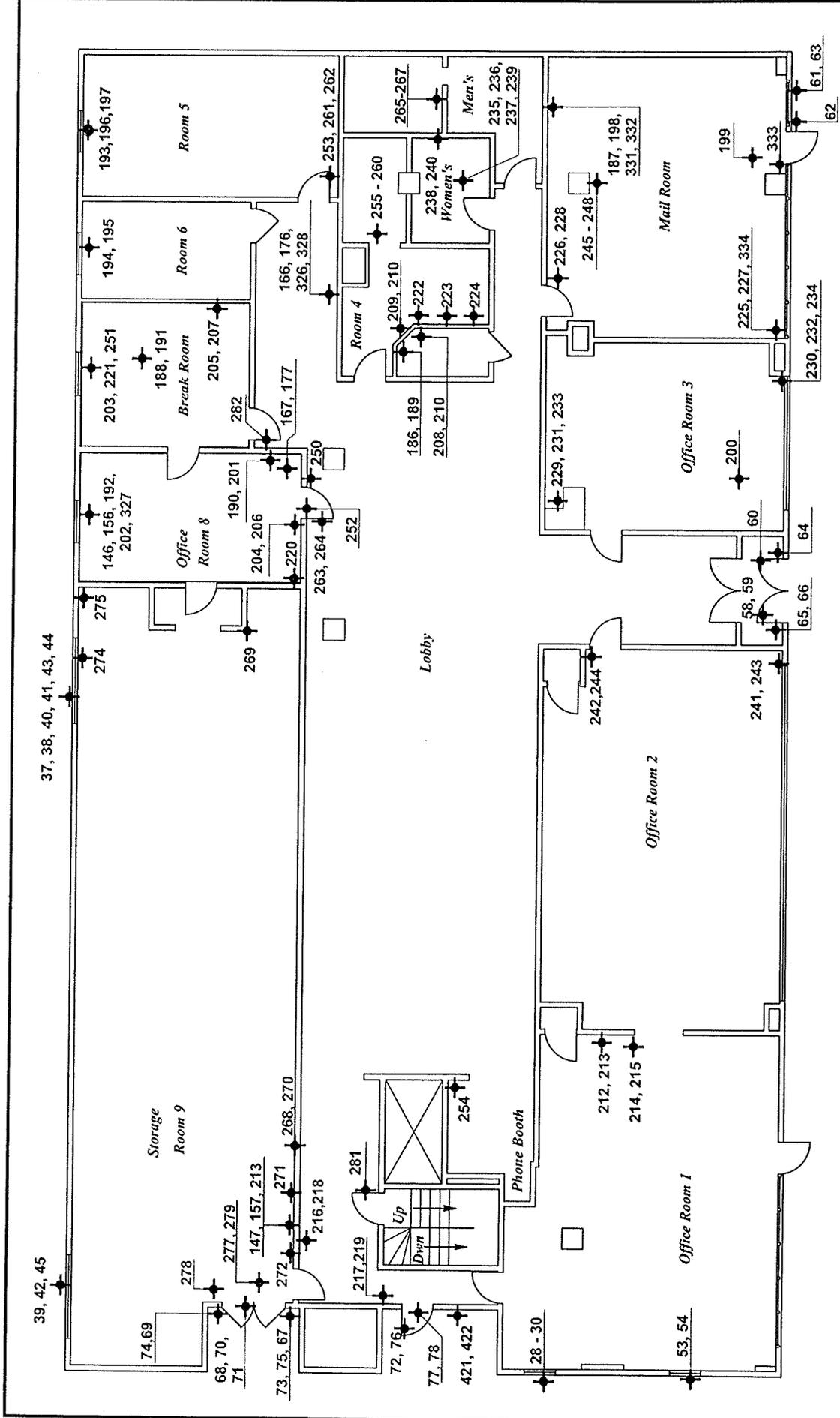
II. SAMPLE LOCATION DIAGRAMS



Drawing Title: Asbestos Bulk Sample Location Diagram		Date: 3/04/2002
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511		Scale: N.T.S.
Project: ECSU - Nathan Hale Hall Garage Basement Floor Williamantic, Connecticut		Drawn By: E.H.
Prepared for: State of Connecticut Department of Public Works Hartford, Connecticut		Approved By: T.H.
EMS No. IH02-121 DPW No. 68416 Project No. BI-2B-828 (RW-02-3)		Drawing No. 2 of 10

LEGEND

◆ = Asbestos Sample Number and Location



REVISIONS	
DATE	MARK DESCRIPTION

Drawing Title: Asbestos Bulk Sample Location Diagram

Prepared by: EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

Project: FCSU - Nathan Hale Hall
Main Building Ground Floor
Willimantic, Connecticut

Prepared for: State of Connecticut
Department of Public Works
Hartford, Connecticut

Date: 3/04/2002

Scale: N.T.S.

Drawn By: T.H.

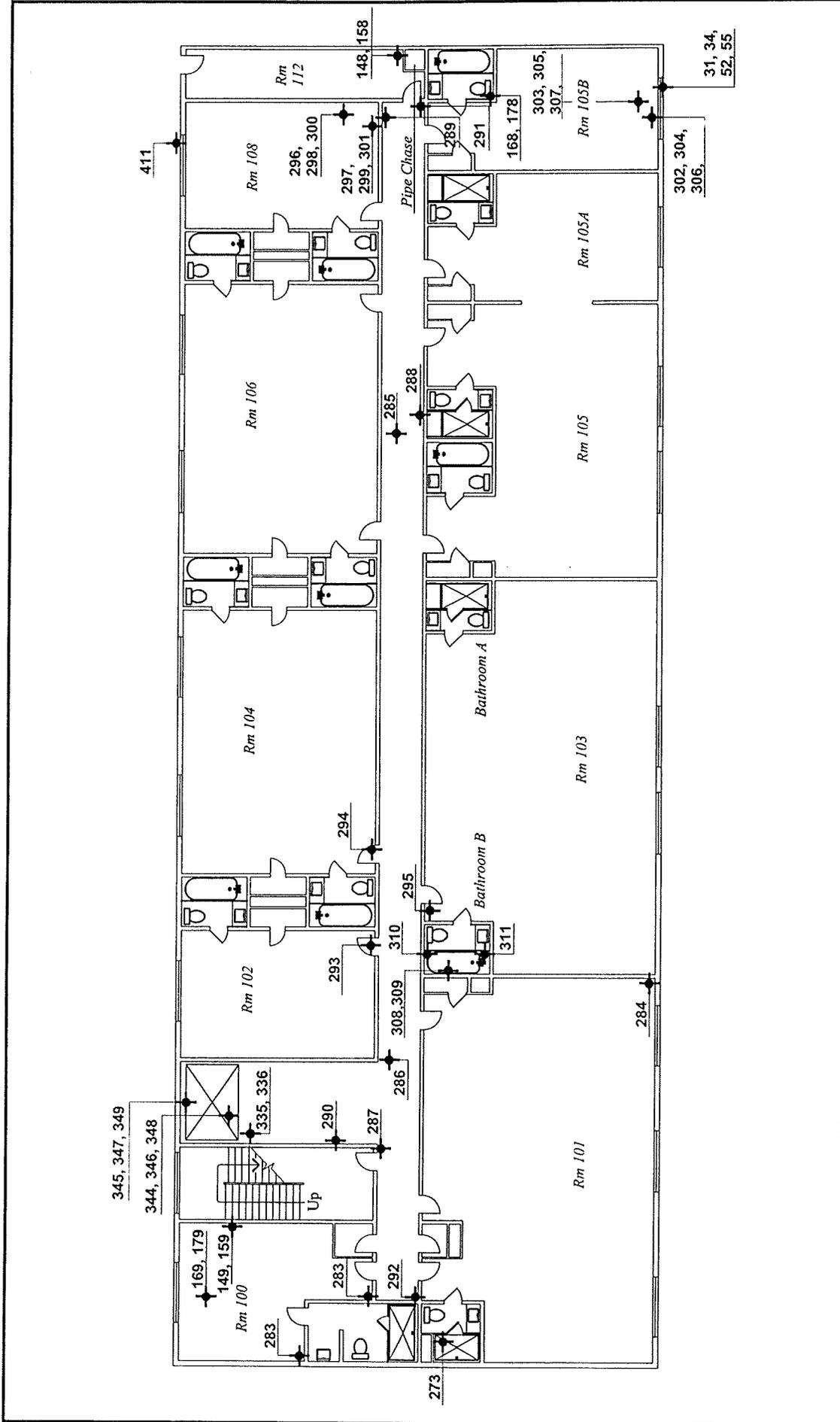
Approved By: T.H.

Drawing No.: 4 of 10

EMS No.: JH02-121 DPW, No.68416, Project No.BI-2B-828 (RW-02-3)

LEGEND

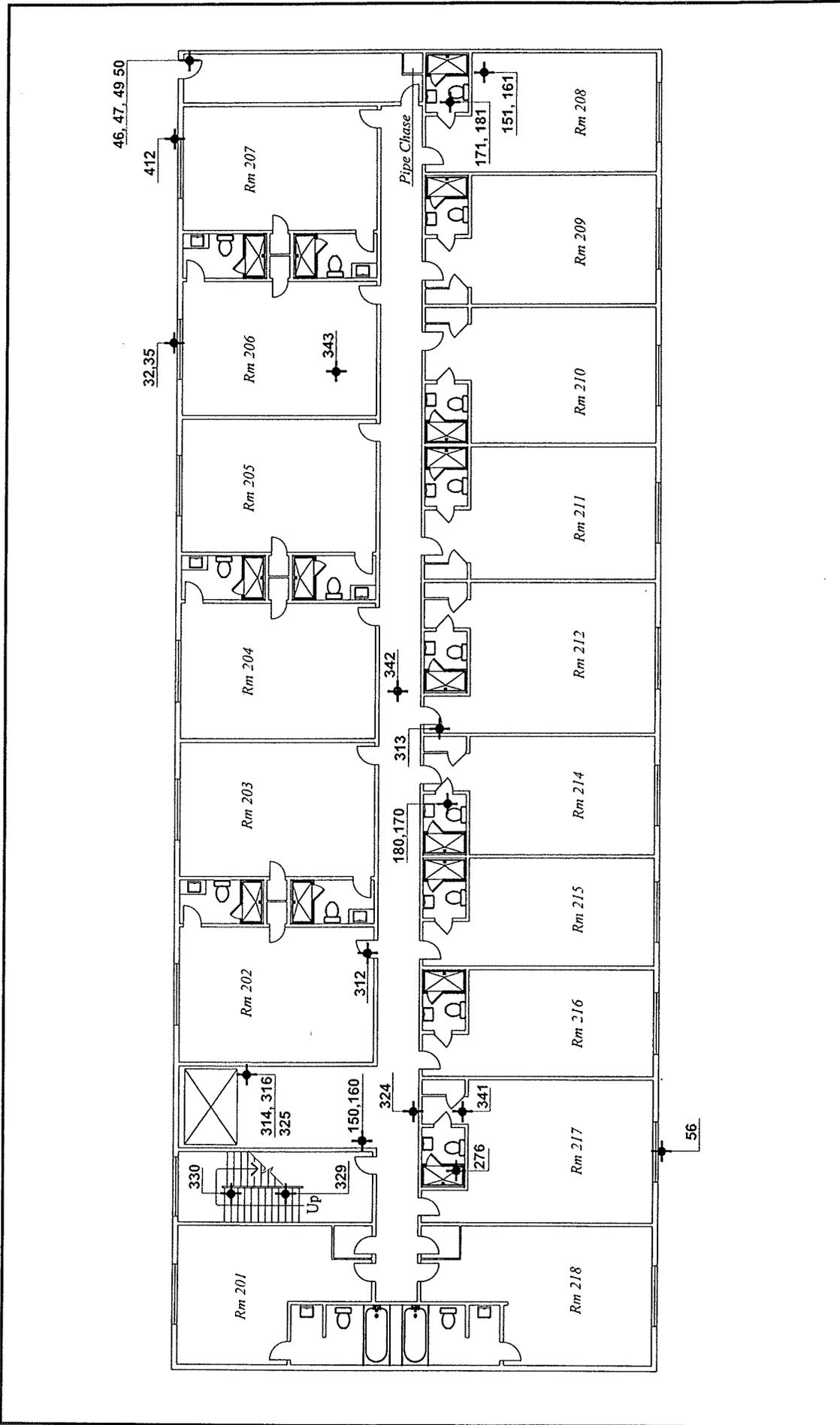
◆ = Asbestos Sample Number and Location



LEGEND

◆ = Asbestos Sample Number and Location

Drawing Title: Asbestos Bulk Sample Location Diagram		Date: 3/04/2002
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511		Scale: N.T.S.
Project: ECSU - Nathan Hale Hall Main Building First Floor Willimantic, Connecticut		Drawn By: E.H.
Prepared for: State of Connecticut Department of Public Works Hartford, Connecticut		Approved By: T.H.
EMS No. IH02-121 DPW No. 68416 Project No. BI-2B-S2K (RW-02-3)		Drawing No. 5 of 10



REVISIONS	
DATE	MARK DESCRIPTION

Drawing Title: Asbestos Bulk Sample Location Diagram

Prepared by: EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

Project: ECSU - Nathan Hale Hall
Main Building Second Floor
Williamantic, Connecticut

Prepared for: State of Connecticut
Department of Public Works
Hartford, Connecticut

Date: 3/04/2002

Scale: N.T.S.

Drawn By: E.H.

Approved By: T.H.

Drawing No.: 6 of 10

EMS No. IH02-121 DPW No. 68416 Project No. B1-2B-828 (RW-02-3)

LEGEND

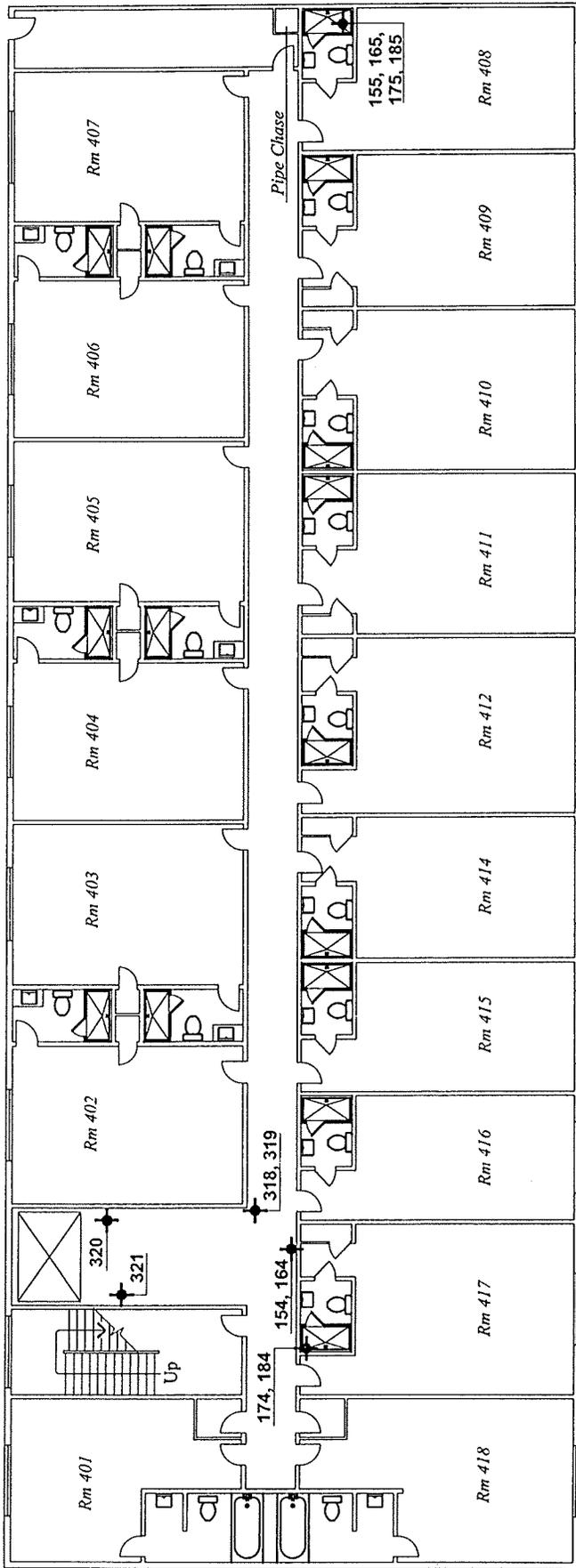
★ = Asbestos Sample Number and Location



Drawing Title: Asbestos Bulk Sample Location Diagram		Date: 3/04/2002
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511		Scale: N.T.S.
Project: FCSU - Nathan Hale Hall Main Building Third Floor Willimantic, Connecticut		Drawn By: E.H.
Prepared for: State of Connecticut Department of Public Works Hartford, Connecticut		Approved By: T.H.
REVISIONS		Drawing No. 7 of 10
DATE	MARK	DESCRIPTION

LEGEND

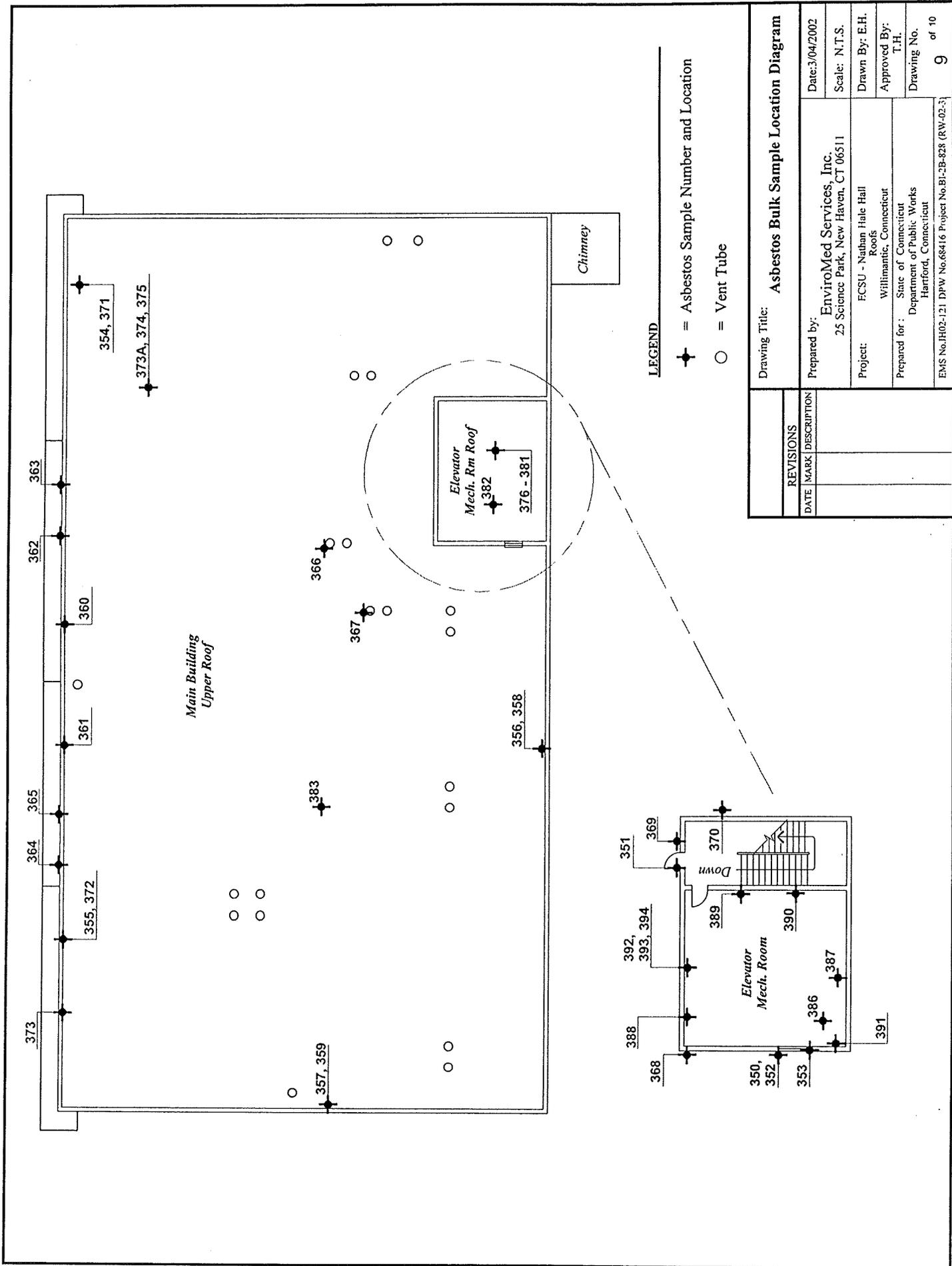
◆ = Asbestos Sample Number and Location



LEGEND

◆ = Asbestos Sample Number and Location

Drawing Title: Asbestos Bulk Sample Location Diagram		Date: 3/04/2002
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511		Scale: N.T.S.
Project: FCSU - Nathan Hale Hall Main Building Fourth Floor Willimantic, Connecticut		Drawn By: E.H.
Prepared for: State of Connecticut Department of Public Works Hartford, Connecticut		Approved By: T.H.
EMS No. JH02-121 DPW No. 68416 Project No. BI-2B-828 (R.W-02-3)		Drawing No. 8 of 10
REVISIONS		
DATE	MARK	DESCRIPTION

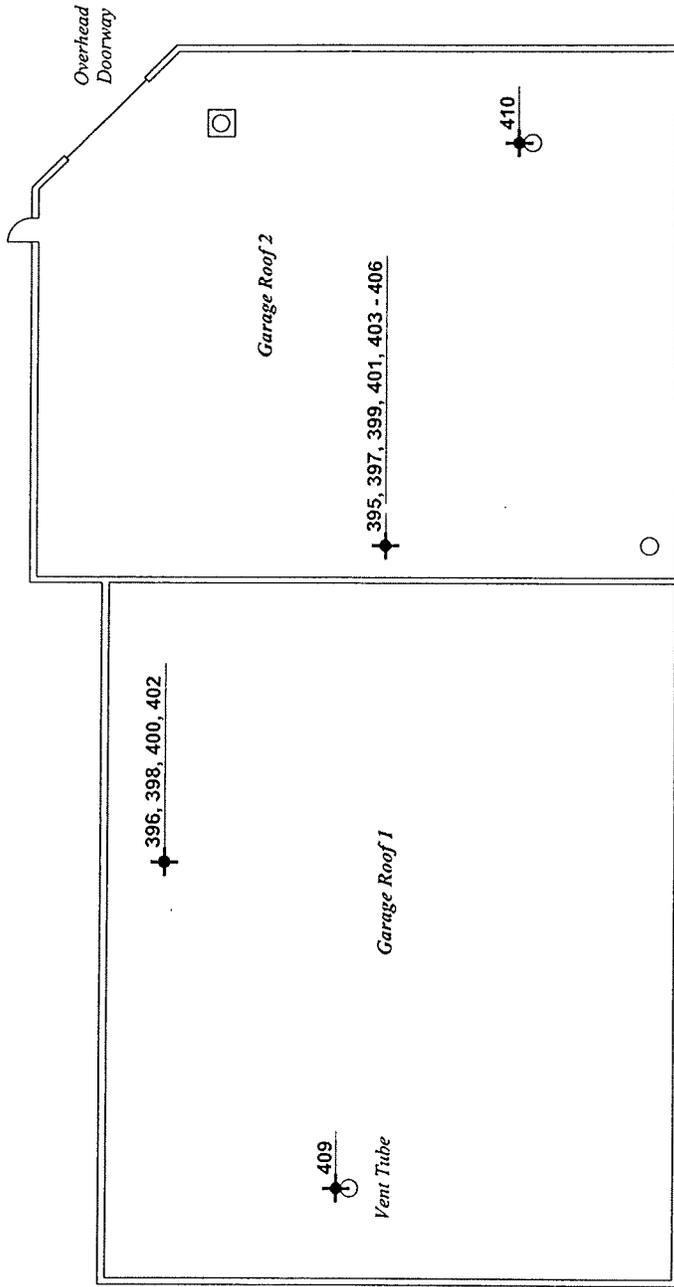
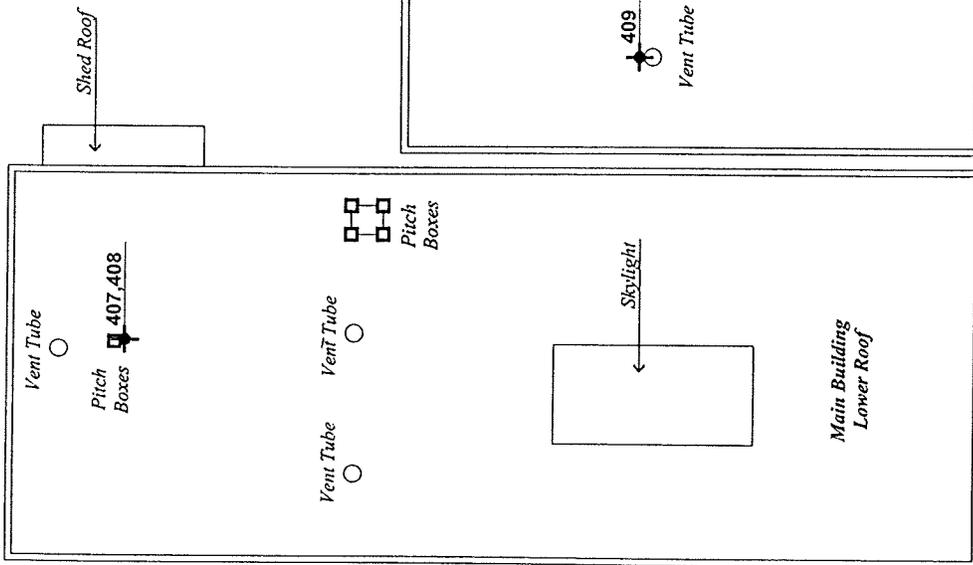


LEGEND

- ✦ = Asbestos Sample Number and Location
- = Vent Tube

Drawing Title: Asbestos Bulk Sample Location Diagram		Date: 3/04/2002
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511		Scale: N.T.S.
Project: FCSU - Nathan Hale Hall Roofs Willimantic, Connecticut		Drawn By: E.H.
Prepared for: State of Connecticut Department of Public Works Hartford, Connecticut		Approved By: T.H.
EMS No. JH02-121 DPW No. 68416 Project No. BI-2B-828 (RVV-02-3)		Drawing No. 9 of 10

DATE	MARK	DESCRIPTION



REVISIONS	
DATE	DESCRIPTION

Drawing Title:	Asbestos Bulk Sample Location Diagram	
Prepared by:	EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	
Project:	ECSU - Nathan Hale Hall Roofs Willimantic, Connecticut	
Prepared for:	State of Connecticut Department of Public Works Hartford, Connecticut	
Date:	3/04/2002	Scale: N.T.S.
Drawn By:	E.H.	Approved By: T.H.
Drawing No.	EM5 No.1102-121 DPV No.68416 Project No.B1-2B-828 (RW-02-3)	
	10	of 10

LEGEND

- ⊕ = Asbestos Sample Number and Location
- = Pitch Box
- = Vent Tube

III. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location	Material Sampled	Percent Asbestos
1	garage toilet room	9"x9" white vinyl floor tile	4
2	garage toilet room	9"x9" white vinyl floor tile	NA
3	garage toilet room	9"x9" white vinyl floor tile	NA
4	garage toilet room	black mastic under 9"x9" white vinyl floor tile	NAD
5	garage toilet room	black mastic under 9"x9" white vinyl floor tile	NAD
6	garage toilet room	black mastic under 9"x9" white vinyl floor tile	NAD
7	garage toilet room	white exterior window glazing type 1	NAD
8	garage room 4	white exterior window glazing type 1	NAD
9	garage toilet room	white exterior window glazing type 1	NAD
10	garage room 6	2'x2' nailed-in fixed ceiling tile	NAD
11	garage room 6	2'x2' nailed-in fixed ceiling tile	NAD
12	garage room 6	2'x2' nailed-in fixed ceiling tile	NAD
13	garage room 3	brown fiberboard	NAD
14	garage room 3	brown fiberboard	NAD
15	garage room 3	brown fiberboard	NAD
16	garage room 4	white fiberboard	40
17	garage room 4	white fiberboard	NA
18	garage room 4	white fiberboard	NA
19	garage room 4	black mastic on foil faced fiberglass wall insulation	NAD
20	garage room 4	black mastic on foil faced fiberglass wall insulation	NAD
21	garage room 4	black mastic on foil faced fiberglass wall insulation	NAD
22	garage room 4	white interior door frame caulk	NAD
23	garage room 4	white interior door frame caulk	NAD
24	garage room 4	white interior door frame caulk	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA pProtocol

Sample Number	Location	Material Sampled	Percent Asbestos
25	garage basement	knob and tube black braided wire insulation	NAD
26	garage basement	knob and tube black braided wire insulation	NAD
27	garage basement	knob and tube black braided wire insulation	NAD
28	main building ground floor office 1	white exterior window glazing type 3	NAD
29	main building ground floor office 1	white exterior window glazing type 3	NAD
30	main building ground floor office 1	white exterior window glazing type 3	NAD
31	main building first floor room 105b	white exterior window glazing type 2	NAD
32	main building second floor room 206	white exterior window glazing type 2	NAD
33	main building third floor room 304	white exterior window glazing type 2	NAD
34	main building first floor room 105b	window frame caulk type 1	NAD
35	main building second floor room 206	window frame caulk type 1	15
36	main building third floor room 304	window frame caulk type 1	NA
37	main building ground floor storage room 9	white interior window glazing steel windows	NAD
38	main building ground floor storage room 9	white interior window glazing steel windows	NAD
39	main building ground floor storage room 9	white interior window glazing steel windows	NAD
40	main building ground floor storage room 9	white exterior window glazing type 4 (steel windows)	NAD
41	main building ground floor storage room 9	white exterior window glazing type 4 (steel windows)	NAD
42	main building ground floor storage room 9	white exterior window glazing type 4 (steel windows)	<1
43	main building ground floor storage room 9	window frame caulk steel windows	5 *3.2
44	main building ground floor storage room 9	window frame caulk steel windows	NA
45	main building ground floor storage room 9	window frame caulk steel windows	NA
46	main building second floor fire escape hallway	fire escape door glazing	NAD
47	main building second floor fire escape hallway	fire escape door glazing	NAD
48	main building third floor fire escape hallway	fire escape door glazing	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA Protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
49	main building second floor fire escape hallway	exterior fire escape door frame caulk	8 *1.5
50	main building second floor fire escape hallway	exterior fire escape door frame caulk	NA
51	main building third floor fire escape hallway	exterior fire escape door frame caulk	NA
52	main building first floor room 105b	exterior storm window frame caulk	8 *4.1
53	main building ground floor office room 1	exterior storm window frame caulk	NAD
54	main building ground floor office room 1	exterior storm window frame caulk	NAD
55	main building first floor room 105b	storm window adhesive- black and beige	2 1.0*
56	main building second floor room 217	storm window adhesive- black and beige	NAD
57	main building third floor room 304	storm window adhesive- black and beige	8 2.0*
58	main building ground floor front main entrance	hard white glazing- type 1 (unfinished aluminum doors)	7 *2.2
59	main building ground floor front main entrance	hard white glazing- type 1 (unfinished aluminum doors)	<1
60	main building ground floor front main entrance	hard white glazing- type 1 (unfinished aluminum doors)	NAD
61	main building ground floor mail room	exterior black glazing- type 1 (unfinished aluminum windows)	NAD
62	main building ground floor mail room	exterior black glazing- type 1 (unfinished aluminum windows)	NAD
63	main building ground floor mail room	exterior black glazing- type 1 (unfinished aluminum windows)	NAD
64	main building ground floor front main entrance	interior door frame caulk	4 *1.2
65	main building ground floor front main entrance	interior door frame caulk	NA
66	main building ground floor front main entrance	interior door frame caulk	NA
67	main building ground floor storage room 9	exterior hard white door frame sealant-(steel doorways)	10
68	main building ground floor storage room 9	exterior hard white door frame sealant-(steel doorways)	NA
69	main building ground floor storage room 9	exterior hard white door frame sealant-(steel doorways)	NA
70	main building ground floor storage room 9	transom window glazing	NAD
71	main building ground floor storage room 9	transom window glazing	NAD
72	main building ground floor side entrance	black door glass glazing type 1	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA Protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
73	main building ground floor storage room 9	white door glazing type 2	NAD
74	main building ground floor storage room 9	white door glazing type 2	NAD
75	main building ground floor storage room 9	white door glazing type 2	NAD
76	main building ground floor side entrance	black door glass glazing type 1	NAD
77	main building ground floor side entrance	black glazing-type 2 (steel store front)	NAD
78	main building ground floor side entrance	black glazing-type 2 (steel store front)	<1
79	main building basement incinerator room	gray paper with foil laminate	40
80	main building g basement incinerator room	gray paper with foil laminate	NA
81	main building basement incinerator room	gray paper with foil laminate	NA
82	main building basement incinerator room	incinerator breeching insulation first layer	20
83	main building basement incinerator room	incinerator breeching insulation first layer	NA
84	main building basement incinerator room	incinerator breeching insulation first layer	NA
85	main building basement incinerator room	incinerator breeching insulation second layer	10
86	main building basement incinerator room	incinerator breeching insulation second layer	NA
87	main building basement incinerator room	incinerator breeching insulation second layer	NA
88	main building basement room B-5 walk-in cooler 2	walk-in cooler skim coat-cementitious	NAD
89	main building basement room B-5 cooler 2	walk-in cooler skim coat-cementitious	NAD
90	main building basement room B-5 cooler 3	walk-in cooler skim coat-cementitious	NAD
91	main building basement room B-5 cooler 2	black walk-in cooler-door seal	NAD
92	main building basement room B-5 cooler 2	black walk-in cooler-door seal	NAD
93	main building basement room B-5 cooler 3	black walk-in cooler-door seal	NAD
94	main building basement room B-9 (walk-in cooler)	gray walk-in cooler door seal	NAD
95	main building basement room B-9 (walk-in cooler)	gray walk-in cooler door seal	NAD
96	main building basement room B-9 (walk-in cooler)	gray walk-in cooler door seal	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA Protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
97	main building basement hallway outside room B-8	wall plaster – type 1 skim coat	NAD
98	main building basement room B-10	wall plaster – type 1 skim coat	NAD
99	main building basement hallway outside roomB-3	wall plaster – type 1 skim coat	NAD
100	main building basement stairwell	wall plaster – type 1 skim coat	NAD
101	main building basement hallway outside roomB-7	wall plaster – type 1 skim coat	NAD
102	main building basement hallway outside room B-8	wall plaster – type 1 base coat	NAD
103	main building basement room B-10 – walk-in cooler wall	wall plaster – type 1 base coat	NAD
104	main building basement hall outside room B-3	wall plaster – type 1 base coat	NAD
105	main building basement stairwell	wall plaster – type 1 base coat	NAD
106	main building basement hall outside room B-7	wall plaster – type 1 base coat	NAD
107	main building basement hall outside room B-5	wall plaster – type 2 single coat – rough texture - soft	NAD
108	main building basement room B-6	wall plaster – type 2 single coat – rough texture - soft	NAD
109	main building basement room B-3	wall plaster – type 2 single coat – rough texture - soft	NAD
110	main building basement room B-2	wall plaster – type 2 single coat – rough texture - soft	NAD
111	main building basement room B-10	wall plaster – type 2 single coat – rough texture - soft	NAD
112	main building basement room B-7	wall plaster – type 3 single coat rough texture - hard	NAD
113	main building basement hallway outside room B-5 lower wall	wall plaster – type 3 single coat rough texture - hard	NAD
114	main building basement hallway outside room B-4 lower wall	wall plaster – type 3 single coat rough texture - hard	NAD
115	main building basement boiler room – boiler #2	gray boiler foundation cement	NAD
116	main building basement boiler room – boiler #2	gray boiler foundation cement	NAD
117	main building basement boiler room- boiler #1	gray boiler foundation cement	NAD
118	main building basement boiler room- boiler #2	brown boiler foundation cement	NAD
119	main building basement boiler room – boiler #1	brown boiler foundation cement	NAD
120	main building basement boiler room- boiler #1	brown boiler foundation cement	NAD
121	main building basement boiler room- boiler #1	boiler foundation yellow fire brick – type 1	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA Protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
122	main building basement boiler room boiler #2	boiler foundation yellow fire brick – type 1	NAD
123	main building basement boiler room- boiler #2	boiler foundation yellow fire brick – type 1	NAD
124	main building basement boiler room – boiler #2	boiler rib rope	40
125	main building basement boiler room – boiler #1	boiler rib rope	NA
126	main building basement boiler room – boiler #2	boiler rib rope	NA
127	main building basement incinerator room - incinerator	interior yellow fire brick type 2	NAD
128	main building basement incinerator room - incinerator	interior yellow fire brick type 2	NAD
129	main building basement incinerator room - incinerator	interior yellow fire brick type 2	NAD
129A	main building basement boiler room – boiler #1	burner gasket	NAD
130	main building basement boiler room – boiler #1	burner gasket	NAD
131	main building basement boiler room – boiler #1	burner gasket	NAD
132	main building basement boiler room – boiler #2	burner gasket	NAD
133	main building basement boiler room – boiler #2	burner gasket	NAD
134	main building basement boiler room – boiler #2	burner gasket	NAD
135	main building basement room B-5 – walk-in cooler 3	black mastic behind cork	NAD
136	main building basement room B-5 – walk-in cooler 3	black mastic behind cork	NAD
137	main building basement room B-5 – walk-in cooler 3	black mastic behind cork	NAD
138	main building basement room B-8	terracotta behind wall plaster	NAD
139	main building basement room B-9	terracotta behind wall plaster	NAD
140	main building basement room B-2	terracotta behind wall plaster	NAD
141	main building basement, room B-7	wall breech sealant	NAD
142	main building basement room B-7	wall breech sealant	NAD
143	main building basement room B-7	wall breech sealant	NAD
144	main building basement stairwell door	gray door glass sealant – type 1	NAD
145	main building basement stairwell door	gray door glass sealant – type 1	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA Protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
146	main building ground floor room 8	wall plaster – type 4 skim coat	NAD
147	main building ground floor room 9	wall plaster – type 4 skim coat	NAD
148	main building first floor fire escape hallway - room 112	wall plaster – type 4 skim coat	NAD
149	main building first floor room 100	wall plaster – type 4 skim coat	NAD
150	main building second floor hallway	wall plaster – type 4 skim coat	NAD
151	main building second floor room 208	wall plaster – type 4 skim coat	NAD
152	main building third floor hallway	wall plaster – type 4 skim coat	NAD
153	main building third floor room 308	wall plaster – type 4 skim coat	NAD
154	main building fourth floor hallway	wall plaster – type 4 skim coat	NAD
155	main building fourth floor room 408	wall plaster – type 4 skim coat	NAD
156	main building ground floor room 8	wall plaster - type 4 base coat	NAD
157	main building ground floor room 9	wall plaster - type 4 base coat	NAD
158	min building first floor fire escape hallway - room 112	wall plaster - type 4 base coat	NAD
159	main building first floor room 100	wall plaster - type 4 base coat	<1
160	main building second floor hallway	wall plaster - type 4 base coat	4 1.5*
161	main building first floor room 208	wall plaster - type 4 base coat	3 1.2*
162	main building third floor hallway	wall plaster - type 4 base coat	2
163	main building third floor room 308	wall plaster - type 4 base coat	2
164	main building fourth floor hallway	wall plaster - type 4 base coat	3
165	main building fourth floor room 408	wall plaster - type 4 base coat	<1
166	main building ground floor hallway outside storage room 10	ceiling plaster – type 1 skim coat	NAD
167	main building ground floor room 8	ceiling plaster – type 1 skim coat	NAD
168	main building first floor room 105B	ceiling plaster – type 1 skim coat	NAD
169	main building first floor room 100	ceiling plaster – type 1 skim coat	NAD
170	main building second floor room 214	ceiling plaster – type 1 skim coat	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
171	main building second floor room 208	ceiling plaster – type 1 skim coat	NAD
172	main building third floor room 317	ceiling plaster – type 1 skim coat	NAD
173	main building third floor room 308	ceiling plaster – type 1 skim coat	NAD
174	main building fourth floor hallway	ceiling plaster – type 1 skim coat	NAD
175	main building fourth floor room 408	ceiling plaster – type 1 skim coat	NAD
176	main building ground floor hallway outside storage room 10	ceiling plaster – type 1 base coat	<1
177	main building ground floor room 8	ceiling plaster – type 1 base coat	<1
178	main building first floor room 105B	ceiling plaster – type 1 base coat	<1
179	main building first floor room 100	ceiling plaster – type 1 base coat	NAD
180	main building second floor room 214	ceiling plaster – type 1 base coat	<1
181	main building second floor room 208	ceiling plaster – type 1 base coat	<1
182	main building third floor room 317	ceiling plaster – type 1 base coat	<1
183	main building third floor room 308	ceiling plaster – type 1 base coat	NAD
184	main building fourth floor hallway	ceiling plaster – type 1 base coat	<1
185	main building fourth floor room 408	ceiling plaster – type 1 base coat	<1
186	main building ground floor room 4	gypsum wallboard	NAD
187	main building ground floor mail room	gypsum wallboard	NAD
188	main building ground floor break room	gypsum wallboard	NAD
189	main building ground floor room 4	wallboard joint compound	NAD
190	main building ground floor room 8	wallboard joint compound	NAD
191	main building ground floor break room	wallboard joint compound	NAD
192	main building ground floor room 5	wall plaster – type 5 single coat (window block-out)	<1
193	main building ground floor room 6	wall plaster – type 5 single coat (window block-out)	<1
194	main building ground floor room 6	wall plaster – type 5 single coat (window block-out)	<1
195	main building ground floor room 6	wall plaster window block out patching repair coat	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
196	main building ground floor room 5	wall plaster window block out patching repair coat	NAD
197	main building ground floor room 5	wall plaster window block out patching repair coat	NAD
198	main building ground floor mail room	2'x4' suspended ceiling tile with worms and pin holes	NAD
199	main building ground floor mail room	2'x4' suspended ceiling tile with worms and pin holes	NAD
200	main building ground floor room 3	2'x4' suspended ceiling tile with worms and pin holes	NAD
201	main building ground floor room 8	2'x4' suspended ceiling tile stringy	NAD
202	main building ground floor room 8	2'x4' suspended ceiling tile stringy	NAD
203	main building ground floor break room	2'x4' suspended ceiling tile stringy	NAD
204	main building ground floor room 8	4" black cove base type 1	NAD
205	main building ground floor break room	4" black cove base type 1	NAD
206	main building ground floor room 8	glue behind 4" black cove base type 1	NAD
207	main building ground floor break room	glue behind 4" black cove base type 1	NAD
208	main building ground floor room 4	4" black cove base type 2	NAD
209	main building ground floor room 4	4" black cove base type 2	NAD
210	main building ground floor room 4	glue behind 4" black cove base type 2	NAD
211	main building ground floor room 4	glue behind 4" black cove base type 2	NAD
212	main building ground floor room 1	6" black cove base	NAD
213	main building ground floor room 1	6" black cove base	NAD
214	main building ground floor room 1	glue behind 6" black cove base	NAD
215	main building ground floor room 1	glue behind 6" black cove base	NAD
216	main building ground floor front hall	4" black cove base type 3	NAD
217	main building ground floor front hall	4" black cove base type 3	NAD
218	main building ground floor front hall	glue behind 4" black cove base type 3	NAD
219	main building ground floor front hall	glue behind 4" black cove base type 3	NAD
220	main building ground floor room 8	glue under wine carpet	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
221	main building ground floor break room	glue under wine carpet	NAD
222	main building ground floor room 4	leveling compound type 1	NAD
223	main building ground floor room 4	leveling compound type 1	NAD
224	main building ground floor room 4	leveling compound type 1	NAD
225	main building ground floor mail room	green glue under green carpet	NAD
226	main building ground floor mail room	green glue under green carpet	NAD
227	main building ground floor mail room	tan glue under black padding – type 1	12
228	main building ground floor mail room	tan glue under black padding type 1	NA
229	main building ground floor room 3	tan glue under brown carpet	NAD
230	main building ground floor room 3	tan glue under brown carpet	NAD
231	main building ground floor room 3	9"x9" white with gray streaks vinyl floor tile	5
232	main building ground floor room 3	9"x9" white with gray streaks vinyl floor tile	NA
233	main building ground floor room 3	black mastic and tar paper under 9"x9" white with gray streaks vinyl floor tile	15
234	main building ground floor room 3	black mastic and tar paper under 9"x9" white with gray streaks vinyl floor tile	NA
235	main building ground floor women's room	9"x9" white vinyl floor tile	23
236	main building ground floor women's room	9"x9" white vinyl floor tile	NA
237	main building ground floor women's room	9"x9" black vinyl floor tile	30
238	main building ground floor women's room	9"x9" black vinyl floor tile	NA
239	main building ground floor women's room	black mastic under 9" white and 9" black vinyl floor tile	10
240	main building ground floor women's room	black mastic under 9" white and 9" black vinyl floor tile	NA
241	main building ground floor room 2	9"x9" black with red slate pattern vinyl floor tile	25
242	main building ground floor room 2	9"x9" black with red slate pattern vinyl floor tile	NA
243	main building ground floor room 2	black mastic under 9"x9" black with red slate pattern vinyl floor tile	37
244	main building ground floor room 2	black mastic under 9"x9" black with red slate pattern vinyl floor tile	NA

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
245	main building ground floor mail room	4" green cove base	NAD
246	main building ground floor mail room	4" green cove base	NAD
247	main building ground floor mail room	glue behind 4" green cove base	NAD
248	main building ground floor mail room	glue behind 4" green cove base	NAD
249	main building ground floor room 6	tan terrazzo flooring	NAD
250	main building ground floor lobby	tan terrazzo flooring	NAD
251	main building ground floor break room	black terrazzo flooring	NAD
252	main building ground floor lobby	black terrazzo flooring	NAD
253	main building ground floor room 5	black terrazzo base molding	NAD
254	main building ground floor at elevator	black terrazzo base molding	NAD
255	main building ground floor room 4	green linoleum type 1	NAD
256	main building ground floor room 4	green linoleum type 1	NAD
257	main building ground floor room 4	gray felt under green linoleum – type 1	NAD
258	main building ground floor room 4	gray felt under green linoleum – type 1	NAD
259	main building ground floor room 4	brown glue under gray felt	NAD
260	main building ground floor room 4	brown glue under gray felt	NAD
261	main building ground floor room 5	white door glass sealant type 2	NAD
262	main building ground floor room 5	white door glass sealant type 2	NAD
263	main building ground floor room 8	white door glass sealant type 1	<1
264	main building ground floor room 8	white door glass sealant type 1	<1
265	main building ground floor men's room	glue behind 3" red metal wall tile	NAD
266	main building ground floor men's room	glue behind 3" red metal wall tile	NAD
267	main building ground floor men's room	glue behind 3" red metal wall tile	NAD
268	main building ground floor room 9	white setting compound behind 4" white ceramic tile	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
269	main building ground floor room 9	white setting compound behind 4" white ceramic tile	NAD
270	main building ground floor room 9	white setting compound behind 4" white ceramic tile	NAD
271	main building ground floor room 9	tan glue behind 4" white ceramic wall tile	NAD
272	main building ground floor room 9	tan glue behind 4" white ceramic wall tile	NAD
273	main building ground floor room 9	tan glue behind 4" white ceramic wall tile	14
274	main building ground floor room 9	beige tile setting behind 4" ceramic wall tile	NAD
275	main building ground floor room 9	beige tile setting behind 4" ceramic wall tile	NAD
276	main building second floor room 217 bathroom	beige tile setting behind 4" ceramic wall tile	NAD
277	main building ground floor room 9	1" hexagonal ceramic floor tile - paper backing	NAD
278	main building ground floor room 9	1" hexagonal ceramic floor tile - paper backing	NAD
279	main building ground floor room 9	1" hexagonal ceramic floor tile - setting	NAD
280	main building third floor room 316 bathroom	1" hexagonal ceramic floor tile - setting	NAD
281	main building ground floor stairwell	gray door glass sealant	13
282	main building ground floor break room	gray door glass sealant	NA
283	main building first floor room 100	tan glue under red carpet	NAD
284	main building first floor room 101	tan glue under red carpet	NAD
285	main building first floor hallway	ceiling plaster patching compound	NAD
286	main building first floor hallway	ceiling plaster patching compound	NAD
287	main building first floor hallway	ceiling plaster patching compound	3 4.0*
288	main building first floor hallway	wall plaster patching compound	NAD
289	main building first floor hallway	wall plaster patching compound	<1 0.25*
290	main building first floor hallway	wall plaster patching compound	NAD
291	main building first floor hallway	tan glue under black carpet padding -type 2	NAD
292	main building first floor hallway	tan glue under black carpet padding -type 2	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
293	main building first floor room 102	tan glue under black carpet padding type 2	NAD
294	main building first floor room 104	green glue under black carpet padding	NAD
295	main building first floor room 103	green glue under black carpet padding	NAD
296	main building first floor room 108	brown and green linoleum	NAD
297	main building first floor room 108	brown and green linoleum	NAD
298	main building first floor room 108	black felt under brown and green linoleum	NAD
299	main building first floor room 108	black felt under brown and green linoleum	NAD
300	main building first floor room 108	glue under black felt	NAD
301	main building first floor room 108	glue under black felt	NAD
302	main building first floor room 105 B	brown linoleum	NAD
303	main building first floor room 105 B	brown linoleum	NAD
304	main building first floor room 105 B	black felt under brown linoleum	NAD
305	main building first floor room 105 B	black felt under brown linoleum	NAD
306	main building first floor room 105 B	glue under black felt	NAD
307	main building first floor room 105 B	glue under black felt	NAD
308	main building first floor room 103 bathroom B	4" blue ceramic wall tile- glue	NAD
309	main building first floor room 103 bathroom B	4" blue ceramic wall tile- glue	NAD
310	main building first floor room 103, bathroom B	4" blue ceramic wall tile- glue	NAD
311	main building first floor room 103 bathroom B	4" blue ceramic wall tile- glue	NAD
312	main building second floor room 202	tan glue under orange carpet-	NAD,
313	main building second floor room 212	tan glue under orange carpet-	NAD
314	main building second floor hallway	9"x9" red speckled vinyl floor tile	<1
315	main building third floor hallway	9"x9" red speckled vinyl floor tile	<1
316	main building second floor hallway	black mastic under 9"x9" red speckled vinyl floor tile	11

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
317	main building third floor hallway	black mastic under 9"x9" red speckled linoleum	11
318	main building fourth floor hallway	leveling compound – type 2 under orange carpet	NAD
319	main building fourth floor hallway	leveling compound – type 2 under orange carpet	NAD
320	main building fourth floor hallway	tan glue under orange carpet	NAD
321	main building fourth floor hallway	tan glue under orange carpet	NAD
322	main building third floor hallway	leveling compound – type 3 under red carpet	NAD
323	main building third floor hallway	leveling compound – type 3 under red carpet	NAD
324	main building second floor hallway	gray fiberboard under 9"x9" red vinyl floor tile	NAD
325	main building second floor hallway	gray fiberboard under 9"x9" red vinyl floor tile	NAD
326	main building ground floor hallway outside room 4	plaster cornice molding	NAD
327	main building ground floor room 8	plaster cornice molding	NAD
328	main building ground floor hallway outside room 4	plaster cornice molding	NAD
329	main building second floor stairwell	anti-slip stair tread glue	NAD
330	main building second floor stairwell	anti-slip stair tread glue	NAD
331	main building ground floor mail room	red vinyl wall paper- painted white	NAD
332	main building ground floor mail room	red vinyl wall paper- painted white	NAD
333	main building ground floor mail room	beige vinyl wall paper- painted white	NAD
334	main building ground floor mail room	beige vinyl wall paper- painted white	NAD
335	main building first floor hall by elevator	wall breaching cement at conduit	NAD
336	main building first floor hall by elevator	wall breaching cement at conduit	NAD
337	main building third floor hallway	ceiling plaster single coat type 2	NAD
338	main building third floor room 316	ceiling plaster single coat type 2	NAD
339	main building third floor hallway	ceiling plaster single coat type 2	NAD
340	main building third floor room 309	ceiling plaster single coat type 2	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
341	main building second floor room 217	ceiling plaster single coat type 2	NAD
342	main building second floor hallway	ceiling plaster single coat type 2	NAD
343	main building second floor room 206	ceiling plaster single coat type 2	NAD
344	main building ground floor elevator	green linoleum type 2	NAD
345	main building ground floor elevator	green linoleum type 2	NAD
346	main building ground floor elevator	black felt paper under green linoleum type 2r	NAD
347	main building ground floor elevator	black felt paper under green linoleum type 2r	NAD
348	main building ground floor elevator	glue under green linoleum – type 2 and black felt paper	NAD
349	main building ground floor elevator	glue under green linoleum – type 2 and black felt paper	NAD
350	main building stairwell and elevator mechanical room	exterior window and door frame caulk – type 3	3 *1.5
351	main building stairwell and elevator mechanical room	exterior window and door frame caulk – type 3	NA
352	main building stairwell and elevator mechanical room	white exterior window glazing type 5	NAD
353	main building stairwell and elevator mechanical room	white exterior window glazing type 5	NAD
354	main roof southwest corner	gray parapet wall cap caulk-friable	12
355	main roof southeast corner	gray parapet wall cap caulk-friable	NA
356	main roof north side	gray flashing cement	14
357	main roof east side	gray flashing cement	NA
358	main roof north side	gray flashing paper	NAD
359	main roof east side	gray flashing paper	2
360	main roof south side	black flashing cement type 1	15
361	main roof south side	black flashing cement type 1	NA
362	main roof south side	black flashing paper type 1	NAD
363	main roof south side	black flashing paper type 1	NAD
364	main roof south side	black patching cement type 1	13

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
365	main roof south side	black patching cement type 1	NA
366	main roof	vent tube flashing	15
367	main roof	vent tube flashing	NA
368	stair well and elevator machine room penthouse side	black roofing cement	10
369	stair well and elevator machine room penthouse side	black roofing cement	NA
370	stair well and elevator machine room penthouse side	black roofing cement	NA
371	main roof southwest corner	beige parapet wall cup caulk- b	NAD
372	main roof southeast corner	beige parapet wall cup caulk- b	NAD
373	main roof southeast corner	beige parapet wall cup caulk- b	NAD
373A	main roof southwest corner	built-up roofing material first layer	NAD
374	main roof southwest corner	built-up roofing material second layer	NAD
375	main roof southwest corner	built-up roofing material third layer	NAD
376	stair well and elevator machine room penthouse roof	built-up roofing material first layer	NAD
377	stair well and elevator machine room penthouse roof	built-up roofing material second layer	NAD
378	stair well and elevator machine room penthouse roof	built-up roofing material third layer	NAD
379	stair well and elevator machine room penthouse roof	built-up roofing fourth layer black roof cement and beige deck	NAD
380	stair well and elevator machine room penthouse roof	built-up roofing fourth layer- black roof cement and beige deck	NAD
381	stair well and elevator machine room penthouse roof	white gypsum aggregate	NAD
382	stair well and elevator machine room penthouse roof	white gypsum aggregate	NAD
383	main roof near center	white gypsum aggregate	NAD
384	void	void	void
385	void	void	void
386	elevator mechanical room	ceiling plaster- type 3 single coat	<1
387	elevator mechanical room	ceiling plaster- type 3 single coat	2 1.5*

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
388	elevator mechanical room	ceiling plaster- type 3 single coat	<1
389	elevator mechanical room	wall plaster- type 6 single coat	<1
390	elevator mechanical room	wall plaster- type 6 single coat	2 1.2*
391	elevator mechanical room	wall plaster- type 6 single coat	2 1.0*
392	elevator mechanical room	gray fiberboard door panel 22"x36"	NAD
393	elevator mechanical room	gray fiberboard door panel 22"x36"	NAD
394	elevator mechanical room	gray fiberboard door panel 22"x36"	NAD
395	garage roof 2	black roll-on roof sealant	NAD
396	garage roof 1	black roll-on roof sealant	NAD
397	garage roof 2	roll-on roof felt first layer	NAD
398	garage roof 1	roll-on roof felt first layer	NAD
399	garage roof 2	roll-on roof felt second layer	4
400	garage roof 1	roll-on roof felt second layer	NA
401	garage roof 2	roll-on roof felt third layer	5
402	garage roof 1	roll-on roof felt third layer	NA
403	garage roof 2	roll-on roof felt fourth layer	NAD
404	garage roof 2	roll-on roof felt fifth layer	NAD
405	garage roof 2	roll-on roof felt sixth layer	NAD
406	garage roof 2	roll-on roof felt bottom layer	NAD
407	main building lower roof	pitch box tar	<1
408	main building lower roof	pitch box tar	NAD
409	garage roof 1	vent tube flashing paper	NAD
410	garage roof 2	vent tube flashing paper	NAD
411	main building first floor room 108	exterior window frame caulk type 3	8 4.6*

NAD = No Asbestos Detected

NA = Not Analyzed – According to AHERA protocol

* = Analyzed by the PLM point count method

Sample Number	Location	Material Sampled	Percent Asbestos
412	main building second floor room 207	window frame caulk type 3	NA
413	main building third floor room 307	window frame caulk type 3	NA
414	shed exterior side wall	slate colored asphalt roof shingles	NAD
415	shed roof	slate colored asphalt roof shingles	NAD
416	shed roof	slate colored asphalt roof shingles	NAD
417	shed roof	black flashing cement- type 2	4
418	shed roof	black flashing cement- type 2	NA
419	shed roof	gray flashing cement	10
420	shed roof	gray flashing cement	NA
421	main building ground floor side entrance	interior black window glazing	NAD
422	main building ground floor side entrance	interior black window glazing	NAD

NAD = No Asbestos Detected

NA = Not Analyzed According to AHERA protocol

* = Analyzed by the PLM point count method