Limited Hazardous Material Pre-Renovation Survey Report

Balch Hall
600 Thurston Avenue
Ithaca, New York 14850

Prepared for:
Ms. Amanda L. Sanders, AIA, LEED BD+C
Goody Clancy
420 Boylston Street
Boston, Massachusetts 02116

Prepared by:
Asbestos & Environmental Consulting Corporation (AECC)
6308 Fly Road
East Syracuse, New York 13057

February 4, 2019

Ms. Amanda L. Sanders, AIA, LEED BD+C
Goody Clancy
420 Boylston Street
Boston, Massachusetts 02116

RE: Limited Hazardous Material Pre-Renovation Survey Report
Balch Hall - 600 Thurston Avenue, Ithaca, New York 14850
AECC Project Number: 18-237

Dear Ms. Sanders:

The Asbestos & Environmental Consulting Corporation (AECC) conducted a limited hazardous material pre-renovation survey at Cornell University's Balch Hall, located at 600 Thurston Avenue, in Ithaca, New York. The following sections of the report summarize the results:

ASBESTOS PRE-RENOVATION SURVEY

The asbestos bulk samples were collected by Mr. Nicholas Coulombe and Mr. Randy Arnold, New York State Department of Labor (NYSDOL)-certified Asbestos Building Inspectors. The following building materials were collected, labeled, and shipped to AmeriSci New York for laboratory analysis:

Table 1: Asbestos Bulk Sampling Summary

SAMPLE NUMBER	BUILDING MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
CEM-001A,B	Roofing Cement (Gray/Silver)	Roof - Northern Section, Flat Area	NAD
SEAL-002A,B	Roof Exhaust Sealant (Yellow)	Roof - Northern Section, Flat Area, Roof Top Exhaust	NAD
CEM-003A,B	**Slate Cement Patch (Gray)**	**Roof - Northern Section, Pitched Slate Roof**	**5.5% Chrysotile**
VAP-004A,B	Roofing Vapor Barrier (Black)	Roof - Western & Southern Sections, Pitched Slate Roof Areas, Under Slate	NAD
FBRD-005A,B	Fire Insulation Board (Gray)	Roof - Western & Southern Sections, Pitched Slate Roof Areas, Under Slate	NAD
CLK-006A,B	**Chimney Caulk (Gray)**	**Roof – Western Section, Around Chimney**	**2.2% Chrysotile**
MTR-007A,B	Coping Stone Mortar (White/Gray)	Roof – Western Section	NAD
GLZ-008A,B	Window Glazing Compound (Gray)	Student Room 2166 & Student Room 3234	TRACE

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SAMPLE NUMBER	BUILDING MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
CEM-009A,B	**Roofing Cement (Black)**	**Roof – Western Section, Flat Area, Roof Exhaust**	**5.5% Chrysotile**
VAP-010A,B	Roofing Vapor Barrier (Black)	Roof – Western & Eastern Sections, Flat Area, Under Metal	TRACE
FBRD-011A,B	Fire Insulation Board (Gray)	Roof – Western & Eastern Sections, Flat Area, Under Vapor Barrier	NAD
CLK-012A,B	Roof Coping Stone Caulk (Gray)	Roof – Western Section	NAD
CLK-013A,B	**Slate Roof Tile Caulk (Gray/Brown)**	**Roof – Southern Section, Pitched Slate Roof**	**1.5% Chrysotile**
CLK-014A,B	Roof Coping Caulk (Tan)	Roof – Southern Section, Pitched Slate Roof	NAD
FIT-015A,B,C	**Pipe Fitting Insulation (White)**	**Storage Room 2426 & Bathroom 2425**	**2.5% Crocidolite 4.3% Chrysotile**
PINS-016A,B,C	**Pipe Insulation (White)**	**Storage Room 2426 & Bathroom 2425**	**5.1% Crocidolite 2.3% Chrysotile**
GLZ-017A,B	**Window Glazing Compound (Gray)**	**Storage Room 2426**	**1.7% Chrysotile**
CLK-018A,B	Window Frame Caulk (Tan)	Storage Room 2426	NAD
VAP-019A,B	Vapor Barrier (Black)	Storage Room 2426 & Chase 2048	NAD
MAS-020A,B	Ceiling Mastic (Brown)	Storage Room 2426	NAD
SEAL-021A,B	Fiberglass Pipe Sealant (White)	Chase 2048	NAD
FT-022A,B	12”x12” Floor Tile (White/Black)	Laundry Room 2428	NAD
FTM-023A,B	Floor Tile Mastic (White)	Laundry Room 2428	NAD
FLFR-024A.B	Floor Leveling Compound (Gray)	Laundry Room 2428	NAD
CB-025A,B	6” Cove Base (Black)	Laundry Room 2428	NAD
CBM-026A,B	Cove Base Mastic (White)	Laundry Room 2428	NAD
ACT-027A,B	2’x4’ Acoustical Ceiling Tile (White, Pinhole/Fissure Pattern)	Laundry Room 2428	NAD

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SAMPLE NUMBER	BUILDING MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
SEAL-028A,B	**Wall Penetration Sealant (Black)**	**Mechanical Room 2423**	**9.4% Chrysotile**
GRT-029A,B	Quarry Tile Grout (Gray)	Trash Room 2411	NAD
THST-030A,B	Quarry Tile Thin Set (Gray)	Trash Room 2411	NAD
CAN-031A,B	Duct Canvas Wrap (White)	Mechanical Room 2350	NAD
SEAL-032A,B	Duct Seam Sealant (Gray)	Mechanical Room 2350	NAD
ACT-033A,B	2'x4' Acoustical Ceiling Tile (White, Square Pattern)	Office Corridor 2055	NAD
PLS-034A,B,C	Plaster Skim Patching Compound (White)	Cold Storage 2415	NAD
PLB-035A,B,C	Plaster - Base Coat (Gray)	Cold Storage 2415	NAD
GLZ-036A,B	Door Vision Panel Glazing Compound (Black)	Corridor 2057	NAD
FSP-037A,B	Fire Stop Putty (Red)	Storage Room 2413	NAD
PLS-038A,B,C	Ceiling Plaster Patching Compound (White)	Storage Room 2413	NAD
CLK-039A,B	**Interior Door Frame Caulk (Gray)**	**Trash Room 2411**	**1.8% Chrysotile**
MAS-040A,B	Carpet Tack Strip Mastic (Tan)	Office 2348 & Office 2349	NAD
CB-041A,B	4" Cove Base (Tan)	Office 2344 & Office 2349	NAD
CBM-042A,B	Cove Base Mastic (Beige)	Office 2344 & Office 2349	NAD
SR-043A,B	Sheetrock (White)	Office 2339 & Office 2350	NAD
JC-044A,B	Joint Compound (White)	Office 2339 & Office 2350	NAD
SKM-045A,B	Sink Mastic (White)	Corridor 2053	NAD
HIB-046A,B,C	**Heater Insulation Board (Gray)**	**Lobby 2050**	**57.1% Chrysotile**
GRT-047A,B	Quarry Tile Grout (Gray)	Lobby 2050	NAD

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SAMPLE NUMBER	BUILDING MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
THST-048A,B	Quarry Tile Thin Set (Gray)	Lobby 2050	NAD
GRT-049A,B	Ceramic Wall Tile Grout (Gray)	Bathroom 2035 & 2020	NAD
THST-050A,B	Ceramic Wall Tile Thin Set (Gray)	Bathroom 2035 & 2020	NAD
TRZO-051A,B	Terrazzo Flooring (White)	Bathroom 2035 & 2020	NAD
GRT-052A,B	Ceramic Wall Tile Grout (Gray)	Janitor's Closet 2334 & Janitor's Closet 2136	NAD
THST-053A,B	Ceramic Wall Tile Thin Set (Gray)	Janitor's Closet 2334 & Janitor's Closet 2136	NAD
CFLR-054A,B	Cork Flooring (Brown)	Janitor's Closet 2334 & Corridor 2052	NAD
CFM-055A,B	**Cork Flooring Mastic (Black)**	**Janitor's Closet 2334 & Corridor 2052**	**3.1% Chrysotile**
GLZ-056A,B	**Sidelight Window Glazing Compound (Black)**	**Office 2336**	**1.9% Chrysotile**
FT-057A,B	9"x9" Floor Tile (Tan)	Entry to Corridor 2040	NAD
FT-058A,B	**9"x9" Floor Tile (Black/White)**	**Corridor 2040**	**2.0% Chrysotile**
FTM-059A,B	Floor Tile Mastic (Black)	Entry to Corridor 2040 & Corridor 2040	NAD
ACT-060A,B	1'x1' Acoustical Ceiling Tile (White, Fissured Pattern)	Bathroom 2020 & Corridor 2040	NAD
ACTM-061A,B	Ceiling Tile Mastic (Brown)	Bathroom 2020 & Corridor 2040	NAD
CLK-062A,B	Stone Ledge Caulk (Tan)	Terrace	NAD
GLZ-063A,B	Door Vision Panel Glazing Compound (Black)	Stairwell 2001	NAD
FLFR-064A,B	Floor Leveling Compound (White)	Corridor 2042	NAD
TRZO-065A,B	Terrazzo Flooring (Tan/Green)	Stairwell 2001	NAD
CFM-066A,B	Cork Flooring Mastic (Black)	Student Room 2134 & Student Room 2132	NAD
FT-067A,B	**9"x9" Floor Tile (Tan, Streaked Pattern)**	**Corridor 2043**	**4.7% Chrysotile**
FTM-068A,B	Floor Tile Mastic (Black)	Corridor 2043	NAD

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SAMPLE NUMBER	BUILDING MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
CB-069A,B	6" Cove Base (Black)	Student Room 2153 & Student Room 2234	NAD
CBM-070A,B	Cove Base Mastic (Brown)	Student Room 2153 & Student Room 2234	NAD
CCBM-071A,B	Cork Cove Base Mastic (Brown)	Student Room 2163 & Student Room 2162	NAD
LINO-072A,B	Linoleum Sheet Flooring (Green/Tan)	Laundry Room 2245	NAD
CB-073A,B	4" Cove Base (Light Brown)	Laundry Room 2245	NAD
CBM-074A,B	Cove Base Mastic (Tan)	Laundry Room 2245	NAD
VAP-075A,B	Vapor Barrier (Black)	Tunnel Next to Laundry Room 2245	NAD
ACT-076A,B	2'x2' Acoustical Ceiling Tile (White, Rough Texture)	Laundry Room 2245	NAD
PW-077A,B	Pipe Wrap (Black)	Laundry Room 2245	NAD
WF-078A,B,C	Wool Felt Pipe Insulation (Brown)	Laundry Room 2245	NAD
PLS-079A-G	Rough Textured Plaster (Tan)	Corridor 1043, Stairwell 2003, Laundry Lobby 2243, Stairwell 3001, Bathroom 3029, Stairwell 4001 & Stairwell 5003	NAD
PLB-080A-G	Plaster - Base Coat (Gray)		NAD
PM-081A,B	Cork Pipe Mastic (Black)	Corridor 1044	NAD
LINO-082A,B	Linoleum Flooring (Gray)	Corridor 1044	NAD
LMAS-083A,B	Linoleum Flooring Mastic (Tan)	Corridor 1044	NAD
FT-084A,B	**12"x12" Floor Tile (White, Square Pattern)**	**Bathroom 1165**	**1.7% Chrysotile**
CPM-085A,B	Carpet Mastic (Yellow)	Office 1163 & Office 1167	NAD
CPM-086A,B	Carpet Mastic (Light Yellow)	Conference Room 1157	NAD
CB-087A,B	4" Cove Base (Maroon)	Conference Room 1157	NAD
CBM-088A,B	Cove Base Mastic (Tan)	Conference Room 1157	NAD
ACT-089A,B	2'x2' Acoustical Ceiling Tile (White, Smooth)	Conference Room 1157	NAD

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SAMPLE NUMBER	BUILDING MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
SEAL-090A,B	Fiberglass Pipe Sealant (White)	Mechanical Room 1109	NAD
MAS-091A,B	**Ceiling Mastic (Light Brown)**	**Mechanical Room 1109**	**6.6% Chrysotile**
PAT-092A,B,C	Ceiling Patching Compound (White)	Mechanical Room 1109	NAD
PAT-093A,B,C	Ceiling Patching Compound (Gray)	Mechanical Room 1109	NAD
PLB-094A,B,C	Plaster Ceiling - Base Coat (Gray)	Mechanical Room 1109	NAD
COAT-095A,B,C	Wall Coating (Gray)	Mechanical Room 1109	0.8% Chrysotile
DEB-096A,B	Miscellaneous Debris (Gray)	Tunnel Under Mechanical Room 1109	NAD
PLB-097A,B,C	Column Plaster - Base Coat (Gray)	Mechanical Room 1109	NAD
PLS-098A,B,C	Column Plaster - Skim Coat (White)	Mechanical Room 1109	NAD
SEAL-099A,B	Fiberglass Pipe Sealant (White)	Tunnel From Mechanical Room 1109	NAD
FT-100A,B	12”x12” Floor Tile (Gray)	Break Room 1138	NAD
FTM-101A,B	Floor Tile Mastic (Yellow)	Break Room 1138	NAD
STRD-102A,B	Stair Tread (Black)	Corridor 1043	NAD
STM-103A,B	Stair Tread Mastic (Black)	Corridor 1043	NAD
ACT-104A,B	1’x1’ Acoustical Ceiling Tile (White, Peg Hole Pattern)	Open Work Space 1140	NAD
ACTM-105A,B	Ceiling Tile Mastic (Brown)	Open Work Space 1140A	NAD
ACTM-106A,B	**Ceiling Tile Mastic (Light Brown)**	**Open Work Space 1140**	**1.9% Chrysotile**
FLFR-107A,B	Floor Leveling Compound (Gray)	Corridor 3040	NAD
FLFR-108A,B	Floor Leveling Compound (White)	Corridor 3040	NAD
FL-109A,B	Cork Flooring (Red/Brown)	Corridor 3040 & Student Room 3159	NAD
MAS-110A,B	Cork Flooring Mastic (Black)	Corridor 3040 & Student Room 3159	NAD

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SAMPLE NUMBER	BUILDING MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
CB-111A,B	8" Cove Base (Tan)	Corridor 3040	NAD
CBM-112A,B	Cove Base Mastic (Beige)	Corridor 3040	NAD
LINO-113A,B	Linoleum Flooring (Tan/Pebble)	Kitchen 3116 & Kitchen 3258	NAD
SKM-114A,B	Sink Mastic (White)	Kitchen 3116 & Kitchen 3258	NAD
SR-115A,B	Sheetrock (Gray)	Kitchen 3116 & Kitchen 3258	NAD
JC-116A,B	Joint Compound (White)	Kitchen 3116 & Kitchen 3258	NAD
PLS-117A-N	Plaster - Skim Coat (White)	Various Locations on Floors 3, 4, 5, & 6	NAD
PLB-118A-N	Plaster - Base Coat (Gray)	Various Locations on Floors 3, 4, 5, & 6	NAD
GRT-119A,B	Ceramic Floor Grout (Gray)	Bathroom 3022 & Bathroom 4034	NAD
VAP-120A,B	Ceramic Floor Vapor Barrier (Black)	Bathroom 3022 & Bathroom 4034	NAD
THST-121A,B	Ceramic Floor Thin Set (White)	Bathroom 3022 & Bathroom 4034	NAD
MAS-122A,B	**Flooring Mastic (Black)**	**Lounge 3256**	**4.3% Chrysotile**
PLS-123A,B,C	Plaster - Skim Coat (White)	Lounge 3324	NAD
PLB-124A,B,C	Plaster - Base Coat (Gray)	Lounge 3324	NAD
DPL-125A,B,C	Decorative Plaster (White)	Classroom 3330	NAD
CPM-126A,B	Carpet Mastic (Yellow)	Classroom 3330 & Lounge 3324	NAD
GRT-127A,B	Ceramic Wall Tile Grout (Gray)	Tatkon Center – Bathroom 3021	NAD
THST-128A,B	Ceramic Wall Tile Thin Set (White)	Tatkon Center – Bathroom 3021	NAD
CBM-129A,B	Wood Cove Base Mastic (Tan)	Tatkon Center – Café 3342	NAD
GRT-130A,B	Ceramic Floor Tile Grout (Gray)	Tatkon Center – Café 3342	NAD
THST-131A,B	Ceramic Floor Tile Thin Set (Light Gray)	Tatkon Center – Café 3342	NAD

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Table 1: Asbestos Bulk Sampling Summary

SAMPLE NUMBER	BUILDING MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
SR-132A,B	Sheetrock (Gray)	Tatkon Center – Lobby 3061 & Café 3342	NAD
JC-133A,B	Joint Compound (White)	Tatkon Center – Lobby 3061 & Café 3342	NAD
MAS-134A,B	Flooring Mastic (Black)	Tatkon Center – Lounge 3058	NAD
FLFR-135A,B	Floor Leveling Compound (Gray)	Tatkon Center – Lounge 3058	NAD
FT-136A,B	**12"x12" Floor Tile (Tan, Speckled Pattern)**	**Corridor 3055**	**2.5% Chrysotile**
FTM-137A,B	Floor Tile Mastic (Black)	Corridor 3055	NAD
SR-138A,B	Sheetrock (White)	Kitchen 4327 & Kitchen 6433	NAD
JC-139A,B	Joint Compound (Gray)	Kitchen 4327 & Kitchen 6433	NAD
LINO-140A,B	Linoleum Flooring (Gray)	Kitchen 6248	NAD
BIN-141A,B,C	Blown-In Insulation (Gray)	Attic Space 6461	NAD
DST-142A,B,C	Duct Seam Tape (White)	Attic Space 6461	NAD
PB-143A,B	Plaster Block (Gray)	Attic Space 6461	NAD
FIT-144A,B,C	Pipe Fitting Insulation (Gray)	Attic Space 6461	NAD
PLB-145A,B,C	Plaster - Base Coat (Gray)	Attic Space 6461	NAD
GRT-146A,B	Plaster Block Grout (Gray)	Attic Space 6461	NAD
FLFR-147A,B	Floor Leveling Compound (Red)	Corridor 5040	NAD
CAN-148A,B	Canvas Pipe Wrap (White)	Attic Space 5000	NAD
PW-149A,B	Paper Pipe Wrap (Black)	Attic Space 5000	NAD
PW-150A,B	Paper Pipe Wrap (Pink)	Attic Space 5000	NAD
CLK-151A,B	Window Frame Caulk (White)	Office 2328 & Office 2116	NAD
GLZ-152A,B	Window Glazing Compound (Gray)	Office 2328 & Office 2116	<1.0% Anthophyllite

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SAMPLE NUMBER	BUILDING MATERIAL DESCRIPTION	SAMPLE LOCATION(S)	ASBESTOS CONTENT
DEB-153A,B	Miscellaneous Debris (White)	Storage Room 1112 – On Top of Metal Shelving Unit	NAD
SEAL-154A,B	**Pipe Penetration Sealant (Brown)**	**Storage Room 1112**	**4.9% Chrysotile**
GLZ-155A,B	Elevator Door Vison Panel Glazing Compound (Gray)	Elevator 1071	<1.0% Anthophyllite
FBRK-156A,B	Fire Brick (Black/Gray)	Corridor 1045 – Inside Incinerator Unit	NAD
PAT-157A,B	**Patching Compound (Gray)**	**Corridor 1045 – Inside Incinerator Unit**	**25.0% Chrysotile**
GRT-158A,B	Fire Brick Grout (Gray)	Corridor 1045 – Inside Incinerator Unit	0.5% Chrysotile
CLK-159A,B	Stone Wall Caulk (Tan)	Main Entry – Stone Wall	NAD
THST-160A,B	Stone Steps Thin Set (Gray)	Main Entry – Under Stone Steps	NAD
TDP-161A,B	**Transite Drain Pipe (Gray)**	**Exterior Roof Drain at Ground Level**	**16.7% Chrysotile**
PL-162A,B,C	Soffit Plaster (Gray)	2049 Entry & 2052 Entry	NAD
CLK-163A,B	Stone Railing Caulk (Gray)	Exterior Courtyard Area	NAD
COAT-164A,B,C	Exterior Wall Coating (Tan)	Stairwell 3010 – Exterior Wall	NAD
CLK-165A,B	Wood Seam Caulk (Yellow/Tan)	Tatkon Entry – Around Seams of Wood	NAD
CLK-166A,B	Door Frame Caulk (Gray)	Trash Room 2411 & Entry 2057	NAD
FLFR-167A,B	Floor Leveling Compound (White)	Apartment Suite 2335	NAD
FIT-168A,B,C	**Pipe Fitting Insulation (Gray)**	**Corridor 6043 – Inside Wall Chase**	**12.9% Chrysotile**
TSI-169A,B,C	Rolled Paper Pipe Insulation (Black/Gray)	Corridor 6043 – Inside Wall Chase	NAD
CFM-170A,B	Cork Flooring Mastic (Dark Brown)	Student Room 6465 & Student Room 6416	NAD
FL-171A,B	Flooring Material (Brown)	Corridor 6043 & Corridor 6044	TRACE
CFM-172A,B	Cork Flooring Mastic (Black)	Student Room 6465 & Student Room 6434	NAD
CFM-173A,B	Cork Flooring Mastic (Black)	Student Room 5468 & Student Room 6274	NAD

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FIT-174A,B,C	Pipe Fitting Insulation (Gray)	Bathroom 5036 – On Fiberglass-Insulated Piping	NAD
FIT-175A,B,C	Pipe Fitting Insulation (Gray)	Bathroom 5034 – On Fiberglass-Insulated Piping	NAD
CFM-176A,B	Cork Flooring Mastic (Brown)	Student Room 5275 & Student Room 5276	NAD
FD-177A,B,C	Fire Door Insulation (White)	Janitor Storage 1122	NAD
FD-178A,B,C	Fire Door Insulation (White)	Break Room 1138	NAD
FD-179A,B,C	Fire Door Paper Insulation (Brown)	Corridor 1001	NAD
FD-180A,B,C	Fire Door Insulation (White)	Janitor Break Room 2420 & Storage Room 2418	NAD
FD-181A,B,C	**Fire Door Insulation (White)**	**Stairwell 2007**	**18.2% Chrysotile**
FD-182A,B,C	Fire Door Insulation (White)	Corridor 2056	NAD
CPM-183A,B	Carpet Mastic (Yellow/Black)	Office 2351 & Office 2339	NAD
CFM-184A,B	Cork Flooring Mastic (Black)	Student Room 3432 & Student Room 3442	TRACE
FL-185A,B	Flooring (Brown w/ Twine Backing)	Student Room 3438	NAD

Table Notes:
NAD = No Asbestos Detected
TRACE = Less than <1.0% Asbestos

The following asbestos-containing materials (ACMs) and presumed asbestos-containing materials (PACMs) were discovered during this pre-renovation survey:

Table 2: Approximate Quantities of ACMs & PACMs

ACM / PACM DESCRIPTION	ACM / PACM LOCATION(S)	ESTIMATED QUANTITY	ACM / PACM CONDITION
Gray Slate Cement Patch (CEM-003)	**Roofing System – Patch Locations on Slate Roofing**	**100 SF (See Note 1)**	**NF, Intact**
Gray Chimney Caulk (CLK-006)	**Roofing System – Assumed Around Chimneys**	**20 SF (See Note 1)**	**NF, Intact**
Black Roofing Cement (CEM-009)	**Roofing System – Assumed Around Roof Exhaust Units**	**20 SF (See Note 1)**	**NF, Intact**

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Table 2: Approximate Quantities of ACMs & PACMs

ACM / PACM DESCRIPTION	ACM / PACM LOCATION(S)	ESTIMATED QUANTITY	ACM / PACM CONDITION
Gray/Brown Slate Roof Tile Caulk (CLK-013)	Roofing System - Assumed on Corners of Pitched Roofs	30 SF (See Note 1)	NF, Intact
White Pipe Fitting Insulation (FIT-015)	Inside Wall Chases, Above Hard Ceilings & Under Floors Throughout the Building	25,000 LF	F, NA
White Pipe Insulation (PINS-016)			
Gray Pipe Fitting Insulation (FIT-168)			
Pipe & Pipe Fitting Insulation (ACMs)	Accessible Crawlspace Areas	2,850 LF	F, Damaged
Pipe & Pipe Fitting Insulation Debris & Contaminated Soil (ACMs)	Accessible Crawlspace Areas	4,400 SF	F, Damaged
	Above Ceiling in Open Workspace 1140	4 SF	
Pipe & Pipe Fitting Insulation (PACMs)	Assumed Within Inaccessible Crawlspace Areas	NQ	NA
Pipe & Pipe Fitting Insulation Debris & Contaminated Soil (PACMs)	Assumed Within Inaccessible Crawlspace Areas	NQ	NA
Gray Window Glazing Compound (GLZ-017)	Stored in Storage Room 2426 & All Exterior Windows (Except for Dormer Windows)	1,310 SF	NF, Intact
Black Wall Penetration Sealant (SEAL-028)	Mechanical Room 2423	1 SF	NF, Intact
Gray Interior Door Frame Caulk (CLK-039)	Trash Room 2411, Storage Room 2415 & Storage Room 2413	6 SF	NF, Intact
Gray Heater Insulation Board (HIB-046)	Various Locations Throughout the 1st Floor, 2nd Floor, 3rd Floor & 5th Floor Corridor 5040	2,600 SF	F, Intact
Black Cork Flooring Mastic (CFM-055)	Corridor 2052, Corridor 2051, Corridor 2006, Office 2328, Office 2333 & Janitor's Closet 2334	1,030 SF	NF, Intact

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ACM / PACM DESCRIPTION	ACM / PACM LOCATION(S)	ESTIMATED QUANTITY	ACM / PACM CONDITION
Black Sidelight Window Glazing Compound (GLZ-056)	Office 2336	2 SF	NF, Intact
Black/White 9"x9" Floor Tile (FT-058)	Various Rooms & Corridors on the 2nd Floor	5,000 SF	NF, Intact
Tan 9"x9" Streaked Floor Tile (FT-067)			
White 12"x12" Square Pattern Floor Tile (FT-084)	Bathroom 1165	18 SF	NF, Intact
Light Brown Ceiling Mastic (MAS-091)	Mechanical Room 1109	1,160 SF	NF, Intact
Light Brown Ceiling Tile Mastic (ACTM-106)	Office 1139, Open Workspace 1140, Open Workspace 1140A, Office 1141, Office 1142 & Office 1144	2,715 SF	NF, Intact
Black Flooring Mastic (MAS-122)	Room 3256	232 SF	NF, Intact
Tan 12"x12" Speckled Floor Tile (FT-136)	Corridor 3055	331 SF	NF, Intact
Brown Pipe Penetration Sealant (SEAL-154)	Room 1112, Room 1114 & Room 1157A	20 SF	NF, Intact
Gray Patching Compound (PAT-157)	Assumed Within North and South Incinerator Shafts from the 1st Floor to 6th Floor on the North Side and the 2nd Floor on the South Side	1,200 SF	F, Intact
Gray Transite Drain Pipe (TDP-161)	Exterior Drain Line	10 SF (See Note 2)	NF, Intact
White Fire Door Insulation (FD-181)	Stairwell 2007	32 SF	F, Intact
Cork Flooring Mastic (PACM)	Various Locations Throughout Building	87,500 SF (See Note 3)	NF, Intact
Vault Insulation (PACM)	Vault 2332C – Door, Ceilings & Walls	344 SF	F, Intact

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Table 2: Approximate Quantities of ACMs & PACMs

ACM / PACM DESCRIPTION	ACM / PACM LOCATION(S)	ESTIMATED QUANTITY	ACM / PACM CONDITION
Electrical Components (PACM)	Various Electrical Locations Throughout Building	160 SF (See Note 4)	NA
Elevator Components (PACM)	Elevator Room 1226 & Elevator Room 2412	20 SF (See Note 4)	NA
Vermiculite-Insulated Drinking Fountain (PACM)	Corridor 2051	6 SF (See Note 5)	NA
White Door Window Glazing Compound (ACM)	Door to Stairwell Landing 2003	1 SF (See Note 6)	NF, Intact
Black Door Window Glazing Compound (ACM)	Door to Corridor 2052	1 SF (See Note 6)	NF, Intact
Brown Door Frame Caulk (ACM)	Door to Corridor 2052	2 SF (See Note 6)	NF, Intact
Black Door Window Glazing Compound (ACM)	Door to Stairwell 3008	1 SF (See Note 6)	NF, Intact

Table Notes:
SF = Square Feet
LF = Linear Feet
F = Friable
NF = Non-Friable
NA = Not Assessed, Due to the Inaccessibility of the Material and/or Safety Hazards
NQ = Not Quantified, Due to the Inaccessibility of the Material and/or Safety Hazards

Note 1 = Material amounts and locations for roofing materials were assumed, since AECC was not able to gain access to the roofing system during the return phase of the survey.

Note 2 = The quantity of the transite drain pipe reflects the accessible, aboveground quantity only. Additional underground transite pipe is likely present at the project site and that quantity has not been included in AECC's survey report.

Note 3 = At this time, AECC has designated the black cork flooring mastic as a PACM due to mixed laboratory analysis results. Additional testing to prove this material to be non-asbestos is recommended, as there is the potential to significantly reduce the amount of black cork flooring mastic that may require removal to facilitate renovation activities.

Note 4 = Since the building is still occupied and the systems are still energized, the elevator and electrical components were designated as PACMs.

Note 5 = Since the building is still occupied and the water fountain is still in use, AECC presumed that vermiculite insulation may be present within the unit.

Note 6 = Information utilized was retrieved from AECC's *Directed Asbestos Bulk Sampling Report; Balch Hall – Exterior Wooden Door Painting Project* (report dated July 25, 2018).

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Asbestos Bulk Sampling Summary – By regulatory definition, a building material must be greater than one percent (1%) asbestos to be considered an ACM. During this survey, gray slate cement patch, gray chimney caulk, black roofing cement, gray/brown slate roof tile caulk, white pipe fitting insulation, white pipe insulation, gray window glazing compound, black wall penetration sealant, gray interior door frame caulk, gray heater insulation board, black cork flooring mastic, black sidelight window glazing compound, black/white 9"x9" floor tile, tan/streaked 9"x9" floor tile, white/square patterned 12"x12" floor tile, light brown ceiling mastic, light brown ceiling tile mastic, black flooring mastic, tan/speckled 12"x12" floor tile, brown pipe penetration sealant, gray patching compound, gray transite drain pipe, gray pipe fitting insulation, and white fire door insulation were determined to be ACMs by laboratory analysis. It should also be noted that during previous asbestos survey activities conducted at the subject building by AECC, white door window glazing compound, two (2) types of black door window glazing compound, and brown door frame caulk were determined to be ACMs. Additionally, inaccessible pipe / pipe fitting insulation (including any associated debris), cork flooring mastic, vault insulation, electrical components, elevator components, and a vermiculite-insulated drinking fountain were designated as PACMs by AECC's field personnel (see Table 2 for a complete detailed list). According to state and federal laws, ACMs and PACMs must be handled and disposed of by a licensed abatement contractor prior to any renovation or demolition-related activities. The laboratory analysis results have been included in Attachment B of this report.

OSHA Compliance – It should be noted that the Occupational Safety & Health Administration (OSHA) Asbestos Standard (29 CFR 1926.1101) has a definition for both "asbestos" and "asbestos-containing material." Under OSHA Asbestos Standard, the definition of asbestos covers all materials containing any concentration of detected asbestos, including those with concentrations less than or equal to one percent asbestos (i.e. two types of gray window glazing compound, black roofing vapor barrier, gray wall coating, elevator door vision panel glazing compound, gray fire brick grout, brown flooring material, and black cork flooring mastic tested during this survey). Although work operations conducted in areas where a material contains less than or equal to one percent asbestos is an "unclassified" operation, the employer still must follow the requirements of 29 CFR 1926.1101(g)(1) [except (g)(1)(i)], (g)(2) and (g)(3) that describe engineering and work practice controls operations to prevent unnecessary asbestos exposures to their employees (i.e. worker protection regulations).

NYSDOL Compliance – Due to the presence of disturbed ACM / PACM and debris (pipe and pipe fitting insulation debris within the crawlspace areas and above the ceiling in open work space 1140) identified within the subject building, an asbestos contamination assessment must be completed by a NYSDOL-certified Asbestos Building Inspector / Air Monitoring Technician. Once the contamination assessment has been completed, a NYSDOL certified Asbestos Project Designer must author and submit a site-specific variance petition to the NYSDOL Engineering Services Unit to facilitate the cleanup of the impacted areas. Until which time the abatement work is performed and satisfactory air clearance results are achieved, the affected areas should be isolated to prevent anyone from entering these asbestos-contaminated spaces.

Transmittal of Building / Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, copies of this report shall be immediately transmitted by the building / structure owner (prior to any renovation-related activities), as follows:

(1) One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under state or local laws.

(2) One (1) copy of completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, for the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

LEAD-BASED PAINT INSPECTION

AECC's subcontractor, EcoSpect, Inc. (EcoSpect), performed a representative lead-based paint (LBP) inspection of the subject building. During the course of completing the XRF inspection, EcoSpect determined that LBP was present in the following paint applications (number of positive XRF readings in parentheses):

- Ceramic Substrate: Walls (8)
- Sheetrock or Plaster Substrate: Walls (6)
- Steel Substrate: Access Door (1), Balusters (4), Baseboard (1), Ceilings (2), Doors (5), Door Moldings (41), Elevator Door Molding (1), Elevator Equipment (2), Grate (1), I-Beam Ceiling (1), Newel Posts (4), Radiators (58), Risers (5), Sink (1), Stringers (5), Structural Steel (1), and Window Sashes (117)
- Wood Substrate: Baseboards (3), Chair Rails (5), Door Moldings (2), and Window Sashes (4)

Please reference EcoSpect's *Lead-Based Paint XRF Testing Report* (dated January 17, 2019) for additional details pertaining to the investigation techniques, sampling methodologies, and results of the lead-based paint inspection in Attachment C of this report.

CAULK SAMPLING FOR PCBs

AECC collected representative building caulk applications from the building and shipped them to Schneider Laboratories Global, Inc. for polychlorinated biphenyls (PCB) analysis. The following table summarizes the results:

Table 4: PCB Bulk Sampling Summary

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	PCB CONTENT
CLK-006P	Chimney Caulk (Gray, Soft)	Roof – Western Section, Around Chimney	BRL
CLK-012P	Roof Coping Stone Caulk (Gray)	Roof – Western Section	BRL
CLK-013P	Slate Roof Tile Caulk (Gray/Brown, Soft)	Roof – Southern Section, Under Slate at Gabled Edge	BRL

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Table 4: PCB Bulk Sampling Summary

SAMPLE NUMBER	MATERIAL DESCRIPTION	SAMPLE LOCATION	PCB CONTENT
CLK-014P	Roof Coping Stone Caulk (Tan)	Roof – Southern Section, Slate Roof, Between Coping Stones	BRL
CLK-018P	Window Frame Caulk (Tan)	Storage 2426	BRL
CLK-039P	Door Frame Caulk (Gray)	Trash Room 2411	BRL
CLK-062P	Stone Ledge Caulk (Tan)	Terrace	BRL
CLK-151P	Window Frame Caulk (White)	Room 2328	BRL
CLK-159P	Stone Wall Caulk (Tan)	Stone Wall – At Mail Entry	BRL
CLK-163P	Stone Railing Caulk (Gray)	Courtyard	BRL
CLK-165P	Wood Seam Caulk (Tan/Yellow)	Tatkon Entry	BRL
CLK-166P	Door Frame Caulk (Gray)	Trash Room 2411	BRL
CLK-167P	Door Frame Caulk (Brown)	Door to Corridor 2052	BRL

Table Notes:
BRL = Below Reporting Limit

PCB Bulk Sampling Summary – By regulatory definition, a PCB-containing bulk material is defined as any building material containing at least 50 parts per million (ppm) of PCBs. The bulk samples collected during this pre-renovation survey are not PCB-containing bulk materials, as determined by laboratory analysis. The PCB laboratory results have been included in Attachment D of this report.

MISCELLANEOUS HAZARDOUS / SPECIAL WASTE INVENTORY

The following items were observed during AECC's survey and presumed to contain the specified hazardous / special wastes in the table below:

Table 5: Miscellaneous Hazardous / Special Waste Inventory

MISCELLANEOUS ITEM	ITEM LOCATION	ESTIMATED COUNT	PRESUMED HAZ MATERIAL	ITEM CONDITION
In-Service Fluorescent Light Bulbs	Throughout Building	1,300	Mercury	Intact

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Table 5: Miscellaneous Hazardous / Special Waste Inventory

MISCELLANEOUS ITEM	ITEM LOCATION	ESTIMATED COUNT	PRESUMED HAZ MATERIAL	ITEM CONDITION
Stored Fluorescent Light Bulbs	Storage Room 2427	200	Mercury	Intact
In-Service Light Ballasts	Throughout Building	650	PCBs	Intact
Stored Light Ballasts	Storage Room 2427	20	PCBs	Intact
Exit Signs (Bulbs & Batteries)	Corridors Throughout Building	130	Mercury & Lead	Intact
Interior Emergency Flood Light Batteries	Various Locations Throughout Building	10	Lead	Intact
In-Service Thermostats	Various Locations Throughout Building	40	Mercury	Intact
In-Service Bulb Thermometers	Mechanical Room 1109	2	Mercury	Intact
Smoke Detectors (Batteries)	Rooms & Corridors Throughout Building	650	Lead	Intact
Fire Extinguishers	Throughout Building	60	Compressed Gas / Chemicals	Intact
Elevator Oils	Elevator Room 1226 & Elevator Room 2412	N/A	Petroleum Compounds and/or PCBs	Intact
Air Conditioning Units	Various Locations Throughout Building	20	Freon	Intact
Household Cleaning Products	Various Janitor Closets & Storage Rooms	400	VOCs	Intact
Solvents / Paints	Storage Room 2426 & Maintenance Room 2418	20	VOCs, Lead	Intact
Automotive Liquids	Maintenance Room 2418	10	Petroleum Compounds	Intact
Electronic Scrap	Storage Room 1156	200	Metals	Intact

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Table 5: Miscellaneous Hazardous / Special Waste Inventory

MISCELLANEOUS ITEM	ITEM LOCATION	ESTIMATED COUNT	PRESUMED HAZ MATERIAL	ITEM CONDITION
Compressed Gas Cylinders	Mechanical Room 1109	1	Compressed Gas / Chemicals	Intact
Compressor	Mechanical Room 1109	1	Petroleum Compounds	Intact
Pumps	Mechanical Room 1109	2	Petroleum Compounds	Intact
Small Motors	Mechanical Room 1109	2	Petroleum Compounds	Intact

Table Notes:
NA = Not Assessed, Due to the Inaccessibility of the Material

Miscellaneous Hazardous / Special Wastes Summary – Additional investigation into the status of these materials may be performed to prove that hazardous materials are not present. However, without conducting this additional investigation, these materials must be presumed to contain potentially hazardous materials and handled / disposed of in accordance with all applicable state, federal, and local regulations.

Project Limitations – Due to occupied status of the building at the time of AECC's survey, the following tasks were not performed at this time:

- Destructive / invasive investigation into inaccessible areas (i.e. hard ceilings, wall chases, wall cavities, enclosed crawlspace sections, and mechanical equipment).
- Investigation into block walls for insulation, vermiculite, weatherproofing, and/or mastics.
- Invasive / destructive floor, wall, or ceiling coring.
- Investigation of below-grade, exterior piping.
- Due to specific survey limitations, it is presumed that additional asbestos-containing materials (i.e. pipe and pipe fitting insulation) exist within wall chases, wall cavities, above hard ceilings, and within enclosed crawlspace sections. Quantities of pipe / pipe fitting insulation within wall chases, wall cavities and above hard ceilings were estimated and shown on AECC's drawings, utilizing information from the original plumbing drawings supplied by Cornell representatives. However, pipe / pipe fitting insulation (including any associated debris) within the enclosed crawlspace sections were not quantified or shown on drawings. Prior to any renovation activities, additional investigation is highly recommended to understand the locations and quantities of the pipe / pipe fitting insulation that shall require abatement to facilitate construction activities.
- Due to the energized status of the building, AECC presumed all elevator and electrical components to be asbestos-containing materials. If these building materials shall be impacted by project-related activities, additional investigation is highly recommended once the systems have been safely de-energized.

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Report Note – In the event that other building materials (materials not specifically identified in this report) are identified which shall be impacted / disturbed by proposed renovation activities, the materials shall need to be presumed hazardous (for asbestos, lead, PCBs, etc.) until examined by an appropriately certified / qualified individual and laboratory analysis proves otherwise.

If you have any questions pertaining to this report, please do not hesitate to contact me directly at AECC corporate office (315-432-9400).

Sincerely,
Asbestos & Environmental Consulting Corporation

Bryan Bowers
President / Owner

Attachment A: AECC Company License & Personnel Certifications
Attachment B: Asbestos Bulk Sampling Laboratory Results
Attachment C: EcoSpect Lead Based Paint Inspection Report
Attachment D: PCB Caulk Sampling Laboratory Results
Attachment E: Figures 1A through 8D (27 Drawings)

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ATTACHMENT A

AECC Company License & Personnel Certifications

New York State – Department of Labor
Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Asbestos & Environmental Consulting Corporation

6308 Fly Road

E. Syracuse, NY 13057

FILE NUMBER: 09-42909
LICENSE NUMBER: 42909
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 01/24/2018
EXPIRATION DATE: 02/28/2019

Duly Authorized Representative – Bryan Bowers:

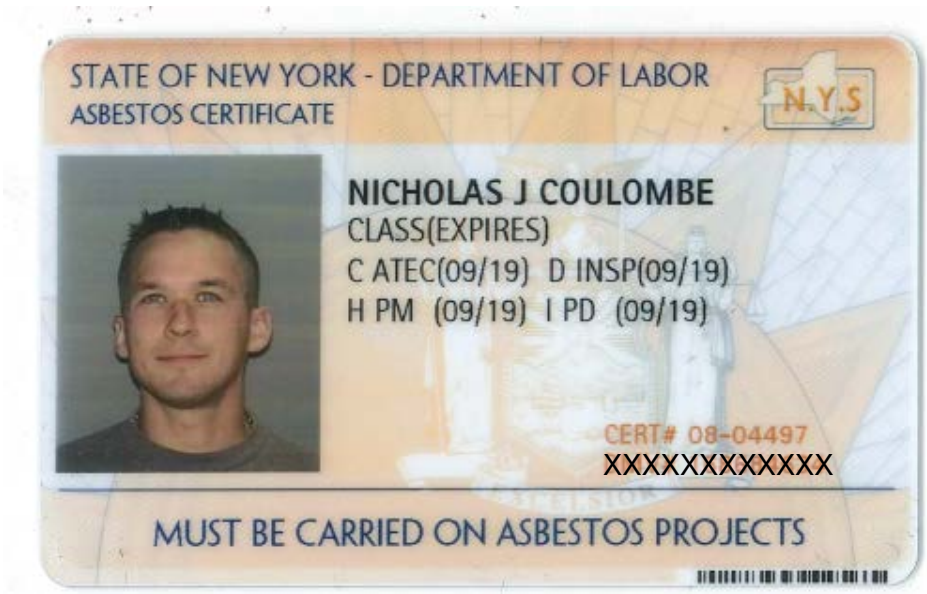
This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director
For the Commissioner of Labor

SH 432 (8/12)

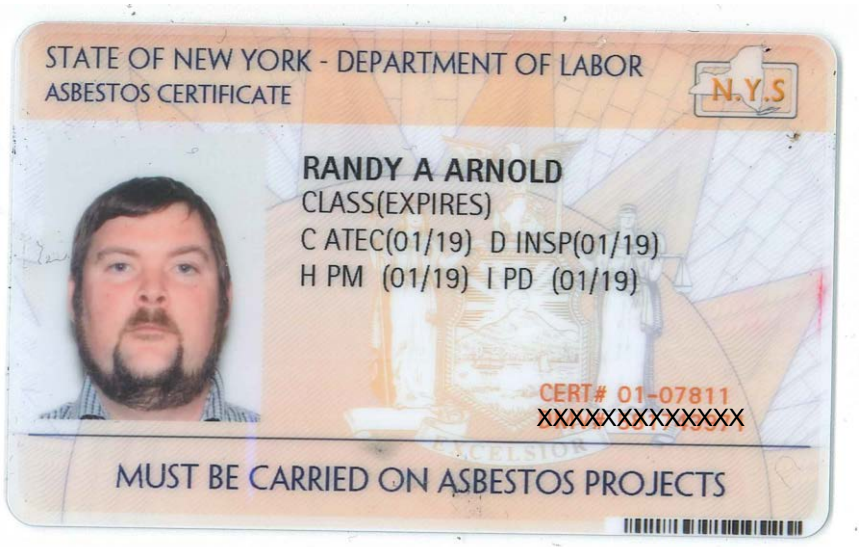
ASBESTOS CERTIFICATION



The following letter codes (as shown on the handling certificate) represent the corresponding asbestos classifications.

A – Asbestos Handler
B – Allied Trades
C – Air sampling Technician
D – Asbestos Inspector
E – Management Planner
F – Operations & Maintenance
G – Asbestos Supervisor
H – Asbestos Project Monitor
I – Asbestos Project Designer

ASBESTOS CERTIFICATION



The following letter codes (as shown on the handling certificate) represent the corresponding asbestos classifications.

A – Asbestos Handler
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C – Air sampling Technician
D – Asbestos Inspector
E – Management Planner
F – Operations & Maintenance
G – Asbestos Supervisor
H – Asbestos Project Monitor
I – Asbestos Project Designer

ATTACHMENT B

Asbestos Bulk Sampling Laboratory Results

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 09/28/18 **AmeriSci Job #** 218094076
Date Examined 10/02/18 **P.O. #**
ELAP # 11480 **Page** 1 **of** 6
RE: 18-237; Goody Clancy; Cornell University, Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CEM-001A 001	218094076-01 **Location:** Northwest Flat Roof - Roofing Cement (Gray / Silver)	*No*	NAD [1] (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Silver/Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42.5 %			
CEM-001B 001	218094076-02 **Location:** Northwest Flat Roof - Roofing Cement (Gray / Silver)	*No*	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Silver/Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42.8 %			
SEAL-002A 002	218094076-03 **Location:** Roof Top Exhaust - NW Flat Roof - Exhaust Sealant (Yellow)	*No*	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.5 %			
SEAL-002B 002	218094076-04 **Location:** Roof Top Exhaust - NW Flat Roof - Exhaust Sealant (Yellow)	*No*	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.1 %			
CEM-003A 003	218094076-05 **Location:** On Pitched Slate - NW Slate Roof - Slate Cement Patch (Gray)	*Yes*	5.5 % (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Black/Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 5.5 % **Other Material:** Non-fibrous 31.6 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University, Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CEM-003B 003	218094076-06 **Location:** On Pitched Slate - NW Slate Roof - Slate Cement Patch (Gray)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
VAP-004A 004	218094076-07 **Location:** Under Slate - Slate Roof - Roof Vapor Barrier	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.9 %			
VAP-004B 004	218094076-08 **Location:** Under Slate - Slate Roof - Roof Vapor Barrier	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6 %			
FBRD-005A 005	218094076-09 **Location:** Under Vapor Barrier - Slate Roof - Fire Board (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 3 %, Non-fibrous 97 %			
FBRD-005B 005	218094076-10 **Location:** Under Vapor Barrier - Slate Roof - Fire Board (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Non-fibrous 95 %			
CLK-006A 006	218094076-11 **Location:** NW Chimney - Chimney Caulk (Gray)	***Yes***	2.2 % (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 2.2 % **Other Material:** Non-fibrous 16 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University, Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CLK-006B 006	218094076-12 **Location:** NW Chimney - Chimney Caulk (Gray)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
MTR-007A 007	218094076-13 **Location:** West Coping - Coping Stone Mortar (White / Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 10/02/18
Analyst Description: Grey/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
MTR-007B 007	218094076-14 **Location:** West Coping - Coping Stone Mortar (White / Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 10/02/18
Analyst Description: Grey/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
GLZ-008A 008	218094076-15 **Location:** Exterior Windows - Window Glazing Compound (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.2 %			
GLZ-008B 008	218094076-16 **Location:** Exterior Windows - Window Glazing Compound (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous Talc 3 %, Non-fibrous 30.9 %			
CEM-009A 009	218094076-17 **Location:** SW Flat Roof - On Exhaust - Roof Cement (Black)	***Yes***	5.5 % (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 5.5 % **Other Material:** Non-fibrous 44.1 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University, Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CEM-009B 009	218094076-18 **Location:** SW Flat Roof - On Exhaust - Roof Cement (Black)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
VAP-010A 010	218094076-19 **Location:** SW Flat Roof - Under Metal - Roof Vapor Barrier (Black)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.9 %			
VAP-010B 010	218094076-20 **Location:** SW Flat Roof - Under Metal - Roof Vapor Barrier (Black)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.6 %			
FBRD-011A 011	218094076-21 **Location:** SW Flat Roof - Under Vapor Barrier - Fire Board (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
FBRD-011B 011	218094076-22 **Location:** SW Flat Roof - Under Vapor Barrier - Fire Board (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
CLK-012A 012	218094076-23 **Location:** SW Coping - Coping Caulk (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; · Cornell University, Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CLK-012B 012	218094076-24 **Location:** SW Coping - Coping Caulk (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.6 %			
CLK-013A 013	218094076-25 **Location:** East Slate Roof - Slate Caulk (Gray / Brown)	***Yes***	Trace (<0.25 % pc) [2] (EPA 400 PC) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 4.4 %			
CLK-013B 013	218094076-26 **Location:** East Slate Roof - Slate Caulk (Gray / Brown)	***Yes***	Trace (<0.25 % pc) [2] (EPA 400 PC) by Bo Sun on 10/02/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 3.3 %			
CLK-014A 014	218094076-27 **Location:** East Slate Roof - Coping Caulk (Tan)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Grey/Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.8 %			
CLK-014B 014	218094076-28 **Location:** East Slate Roof - Coping Caulk (Tan)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 10/02/18
Analyst Description: Grey/Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.9 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University, Balch Hall, 600 Thurston Ave., Ithaca, New York

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Reporting Notes:

(1) This job was - Analyzed using Motic BA310 Pol Scope S/N 1190000538

(2) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Bo Sun

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____ _____END OF REPORT_____

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University, Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	CEM-001A	001	0.207	49.8	7.7	42.5	NAD	NAD
Location:	Northwest Flat Roof - Roofing Cement (Gray / Silver)							
02	CEM-001B	001	0.229	51.5	5.7	42.8	NAD	NAD
Location:	Northwest Flat Roof - Roofing Cement (Gray / Silver)							
03	SEAL-002A	002	0.080	93.8	3.8	2.5	NAD	NAD
Location:	Roof Top Exhaust - NW Flat Roof - Exhaust Sealant (Yellow)							
04	SEAL-002B	002	0.066	92.4	1.5	6.1	NAD	NAD
Location:	Roof Top Exhaust - NW Flat Roof - Exhaust Sealant (Yellow)							
05	CEM-003A	003	0.194	56.2	6.7	31.6	Chrysotile 5.5	NA
Location:	On Pitched Slate - NW Slate Roof - Slate Cement Patch (Gray)							
06	CEM-003B	003	0.190	54.7	7.4	37.9	NA/PS	NA
Location:	On Pitched Slate - NW Slate Roof - Slate Cement Patch (Gray)							
07	VAP-004A	004	0.154	90.9	5.2	3.9	NAD	NAD
Location:	Under Slate - Slate Roof - Roof Vapor Barrier							
08	VAP-004B	004	0.199	93.0	1.0	6.0	NAD	NAD
Location:	Under Slate - Slate Roof - Roof Vapor Barrier							
09	FBRD-005A	005	----	----	----	----	NAD	NA
Location:	Under Vapor Barrier - Slate Roof - Fire Board (Gray)							
10	FBRD-005B	005	----	----	----	----	NAD	NA
Location:	Under Vapor Barrier - Slate Roof - Fire Board (Gray)							
11	CLK-006A	006	0.198	67.2	14.6	16.0	Chrysotile 2.2	NA
Location:	NW Chimney - Chimney Caulk (Gray)							
12	CLK-006B	006	0.136	62.5	18.4	19.1	NA/PS	NA
Location:	NW Chimney - Chimney Caulk (Gray)							
13	MTR-007A	007	----	----	----	----	NAD	NA
Location:	West Coping - Coping Stone Mortar (White / Gray)							
14	MTR-007B	007	----	----	----	----	NAD	NA
Location:	West Coping - Coping Stone Mortar (White / Gray)							
15	GLZ-008A	008	0.322	9.9	87.9	2.1	NAD	Anthophyllite Trace
Location:	Exterior Windows - Window Glazing Compound (Gray)							
16	GLZ-008B	008	0.218	8.3	57.8	33.8	NAD	Anthophyllite Trace
Location:	Exterior Windows - Window Glazing Compound (Gray)							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University, Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	CEM-009A	009	0.260	44.6	5.8	44.1	Chrysotile 5.5	NA
Location:	SW Flat Roof - On Exhaust - Roof Cement (Black)							
18	CEM-009B	009	0.237	42.6	6.3	51.1	NA/PS	NA
Location:	SW Flat Roof - On Exhaust - Roof Cement (Black)							
19	VAP-010A	010	0.205	94.1	2.0	3.8	NAD	Chrysotile Trace
Location:	SW Flat Roof - Under Metal - Roof Vapor Barrier (Black)							
20	VAP-010B	010	0.194	94.3	2.1	3.5	NAD	Chrysotile Trace
Location:	SW Flat Roof - Under Metal - Roof Vapor Barrier (Black)							
21	FBRD-011A	011	----	----	----	----	NAD	NA
Location:	SW Flat Roof - Under Vapor Barrier - Fire Board (Gray)							
22	FBRD-011B	011	----	----	----	----	NAD	NA
Location:	SW Flat Roof - Under Vapor Barrier - Fire Board (Gray)							
23	CLK-012A	012	0.149	51.0	43.0	6.0	NAD	NAD
Location:	SW Coping - Coping Caulk (Gray)							
24	CLK-012B	012	0.181	47.5	45.9	6.6	NAD	NAD
Location:	SW Coping - Coping Caulk (Gray)							
25	CLK-013A	013	0.362	22.7	72.9	2.9	Chrysotile <0.25	Chrysotile 1.5
Location:	East Slate Roof - Slate Caulk (Gray / Brown)							
26	CLK-013B	013	0.273	17.2	79.5	3.3	Chrysotile <0.25	NA/PS
Location:	East Slate Roof - Slate Caulk (Gray / Brown)							
27	CLK-014A	014	0.217	70.0	22.1	7.8	NAD	NAD
Location:	East Slate Roof - Coping Caulk (Tan)							
28	CLK-014B	014	0.173	67.1	26.0	6.9	NAD	NAD
Location:	East Slate Roof - Coping Caulk (Tan)							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University, Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM

Analyzed by: Marik Peysakhov_____; Date Analyzed 10/3/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

#2180940 76

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
CEM-001A,B	ROOFING CEMENT (GRAY/SILVER)	NORTH WEST FLAT ROOF
SEAL-002A,B	EXHAUST SEALANT (YELLOW)	ROOF TOP EXHAUST - NW FLAT ROOF
CEM-003A,B	SLATE CEMENT PATCH (GRAY)	ON PITCHED SLATE - NW SLATE ROOF
VAP-004A,B	ROOF VAPOR BARRIER (BLACK)	UNDER SLATE - NW SLATE ROOF
FBRD-005A,B	FIRE BOARD (GRAY)	UNDER VAPOR BARRIER - NW SLATE ROOF
CLK-006A,B	CHIMNEY CAULK (GRAY)	NW. CHIMNEY
MTR-007A,B	COPING STONE MORTOR (WHITE/GRAY)	WEST COPING
GLZ-008A,B	WINDOW GLAZING COMPOUND (GRAY)	EXTERIOR WINDOWS
CEM-009A,B	ROOF CEMENT (BLACK)	SW FLAT ROOF - ON EXHAUST
VAP-010A,B	ROOF VAPOR BARRIER (BLACK)	SW FLAT ROOF - UNDER METAL
FBRD-011A,B	FIRE BOARD (GRAY)	SW FLAT ROOF - UNDER VAPOR BARRIER
CLK-012A,B	COPING CAULK (GRAY)	SW COPING
CLK-013A,B	SLATE CAULK (GRAY/BROWN)	EAST SLATE ROOF
CLK-014A,B	COPING CAULK (TAN)	EAST SLATE ROOF

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: 5 DAY **Verbal To:** — **Phone:**

Sampled By:	[signature]	Date:	9/27/18
Shipped By:		Date:	
Received By Lab:	MVD	Date:	9/28/18 12:30
Results e-mailed By:		Date:	

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 12/20/18 **AmeriSci Job #** 218123046
Date Examined 12/21/18 **P.O. #**
ELAP # 11480 **Page** 1 **of** 7
RE: 18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FIT-015A 015	218123046-01 **Location:** Storage 2426 & Bathroom 2425 - Pipe Fitting Insulation (White)	***Yes***	6.8 % (EPA 400 PC) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Crocidolite 2.5 %, Chrysotile 4.3 % **Other Material:** Non-fibrous 93.2 %			
FIT-015B 015	218123046-02 **Location:** Storage 2426 & Bathroom 2425 - Pipe Fitting Insulation (White)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
FIT-015C 015	218123046-03 **Location:** Storage 2426 & Bathroom 2425 - Pipe Fitting Insulation (White)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
PINS-016A 016	218123046-04 **Location:** Storage 2426 & Bathroom 2425 - Pipe Insulation (White)	***Yes***	7.4 % (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Crocidolite 5.1 %, Chrysotile 2.3 % **Other Material:** Non-fibrous 92.6 %			
PINS-016B 016	218123046-05 **Location:** Storage 2426 & Bathroom 2425 - Pipe Insulation (White)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PINS-016C 016	218123046-06 **Location:** Storage 2426 & Bathroom 2425 - Pipe Insulation (White)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
GLZ-017A 017	218123046-07 **Location:** Storage 2426 - Window Glazing Compound (Gray)	***Yes***	Trace (<0.25 % pc) [1] (EPA 400 PC) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc, Anthophyllite <0.25 % pc **Other Material:** Fibrous Talc Trace, Non-fibrous 8.6 %			
GLZ-017B 017	218123046-08 **Location:** Storage 2426 - Window Glazing Compound (Gray)	***Yes***	Trace (<0.25 % pc) [1] (EPA 400 PC) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc, Anthophyllite <0.25 % pc **Other Material:** Fibrous Talc Trace, Non-fibrous 30.5 %			
CLK-018A 018	218123046-09 **Location:** Storage 2426 - Window Caulk (Tan)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Light Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.7 %			
CLK-018B 018	218123046-10 **Location:** Storage 2426 - Window Caulk (Tan)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Light Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.4 %			
VAP-019A 019	218123046-11 **Location:** Storage 2426 & 2048 - Vapor Barrier (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.2 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
VAP-019B 019	218123046-12 **Location:** Storage 2426 & 2048 - Vapor Barrier (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 6.2 %			
MAS-020A 020	218123046-13 **Location:** Storage 2426 - Ceiling Mastic (Brown)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 31.3 %			
MAS-020B 020	218123046-14 **Location:** Storage 2426 - Ceiling Mastic (Brown)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 18.3 %			
SEAL-021A 021	218123046-15 **Location:** Chase - 2048 - Fiberglass Pipe Sealant (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass Trace, Non-fibrous 11.6 %			
SEAL-021B 021	218123046-16 **Location:** Chase - 2048 - Fiberglass Pipe Sealant (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass Trace, Non-fibrous 9.9 %			
FT-022A 022	218123046-17 **Location:** Laundry 2428 - 12" Floor Tile (White / Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Cream, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10.3 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FT-022B 022	218123046-18 **Location:** Laundry 2428 - 12" Floor Tile (White / Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Cream, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8 %			
FTM-023A 023	218123046-19 **Location:** Laundry 2428 - Floor Tile Mastic (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 16.8 %			
FTM-023B 023	218123046-20 **Location:** Laundry 2428 - Floor Tile Mastic (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 15.6 %			
FLFR-024A 024	218123046-21 **Location:** Laundry 2428 - Floor Filler (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
FLFR-024B 024	218123046-22 **Location:** Laundry 2428 - Floor Filler (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
CB-025A 025	218123046-23 **Location:** Laundry 2428 - 6" Cove Base (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.2 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CB-025B 025	218123046-24 **Location:** Laundry 2428 - 6" Cove Base (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.4 %			
CBM-026A 026	218123046-25 **Location:** Laundry 2428 - Cove Base Mastic (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 16.5 %			
CBM-026B 026	218123046-26 **Location:** Laundry 2428 - Cove Base Mastic (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 15.3 %			
ACT-027A 027	218123046-27 **Location:** Laundry 2428 - 2 x 4 Ceiling Tile (Pinhole Figured White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.2 %			
ACT-027B 027	218123046-28 **Location:** Laundry 2428 - 2 x 4 Ceiling Tile (Pinhole Figured White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 46.7 %			
SEAL-028A 028	218123046-29 **Location:** Mech 2423 - Wall Penetration Sealant (Black)	***Yes***	9.4 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 9.4 % **Other Material:** Non-fibrous 33 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
SEAL-028B 028	218123046-30 **Location:** Mech 2423 - Wall Penetration Sealant (Black)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
GRT-029A 029	218123046-31 **Location:** Trash Room 2411 - Quarry Tile Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
GRT-029B 029	218123046-32 **Location:** Trash Room 2411 - Quarry Tile Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
THST-030A 030	218123046-33 **Location:** Trash Room 2411 - Quarry Tile Thinset (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
THST-030B 030	218123046-34 **Location:** Trash Room 2411 - Quarry Tile Thinset (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
CAN-031A 031	218123046-35 **Location:** Mech 2350 - Canvas Wrap	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 80 %, Non-fibrous 20 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CAN-031B 031	218123046-36 **Location:** Mech 2350 - Canvas Wrap	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Synthetic fibers 80 %, Non-fibrous 20 %			
SEAL-032A 032	218123046-37 **Location:** Mech 2350 - Duct Seam Sealant	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10.4 %			
SEAL-032B 032	218123046-38 **Location:** Mech 2350 - Duct Seam Sealant	***No***	NAD [2] (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.1 %			

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

(2) This job was - Analyzed using Motic BA310 Pol Scope S/N 1190000326

Analyzed by: Jared C. Clarke

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____

END OF REPORT

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	FIT-015A	015	----	----	----	----	Crocidolite 2.5	NA
Location:	Storage 2426 & Bathroom 2425 - Pipe Fitting Insulation (White)						Chrysotile 4.3	
02	FIT-015B	015	----	----	----	----	NA/PS	NA
Location:	Storage 2426 & Bathroom 2425 - Pipe Fitting Insulation (White)							
03	FIT-015C	015	----	----	----	----	NA/PS	NA
Location:	Storage 2426 & Bathroom 2425 - Pipe Fitting Insulation (White)							
04	PINS-016A	016	----	----	----	----	Crocidolite 5.1	NA
Location:	Storage 2426 & Bathroom 2425 - Pipe Insulation (White)						Chrysotile 2.3	
05	PINS-016B	016	----	----	----	----	NA/PS	NA
Location:	Storage 2426 & Bathroom 2425 - Pipe Insulation (White)							
06	PINS-016C	016	----	----	----	----	NA/PS	NA
Location:	Storage 2426 & Bathroom 2425 - Pipe Insulation (White)							
07	GLZ-017A	017	0.257	5.4	86.0	6.9	Chrysotile <0.25	Chrysotile 1.7
Location:	Storage 2426 - Window Glazing Compound (Gray)						Anthophyllite <0.25	
08	GLZ-017B	017	0.154	14.9	54.5	30.5	Chrysotile <0.25	NA/PS
Location:	Storage 2426 - Window Glazing Compound (Gray)						Anthophyllite <0.25	
09	CLK-018A	018	0.187	11.2	85.0	3.7	NAD	NAD
Location:	Storage 2426 - Window Caulk (Tan)							
10	CLK-018B	018	0.295	11.9	82.7	5.4	NAD	NAD
Location:	Storage 2426 - Window Caulk (Tan)							
11	VAP-019A	019	0.193	90.2	4.7	5.2	NAD	NAD
Location:	Storage 2426 & 2048 - Vapor Barrier (Black)							
12	VAP-019B	019	0.226	88.1	5.8	6.2	NAD	NAD
Location:	Storage 2426 & 2048 - Vapor Barrier (Black)							
13	MAS-020A	020	0.080	6.3	62.5	31.3	NAD	NAD
Location:	Storage 2426 - Ceiling Mastic (Brown)							
14	MAS-020B	020	0.082	11.0	70.7	18.3	NAD	NAD
Location:	Storage 2426 - Ceiling Mastic (Brown)							
15	SEAL-021A	021	0.199	47.7	40.7	11.6	NAD	NAD
Location:	Chase - 2048 - Fiberglass Pipe Sealant (White)							
16	SEAL-021B	021	0.252	49.2	40.9	9.9	NAD	NAD
Location:	Chase - 2048 - Fiberglass Pipe Sealant (White)							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	FT-022A	022	0.224	15.2	74.6	10.3	NAD	NAD
Location:	Laundry 2428 - 12" Floor Tile (White / Black)							
18	FT-022B	022	0.275	14.2	77.8	8.0	NAD	NAD
Location:	Laundry 2428 - 12" Floor Tile (White / Black)							
19	FTM-023A	023	0.190	29.5	53.7	16.8	NAD	NAD
Location:	Laundry 2428 - Floor Tile Mastic (White)							
20	FTM-023B	023	0.154	29.2	55.2	15.6	NAD	NAD
Location:	Laundry 2428 - Floor Tile Mastic (White)							
21	FLFR-024A	024	----	----	----	----	NAD	NA
Location:	Laundry 2428 - Floor Filler (Gray)							
22	FLFR-024B	024	----	----	----	----	NAD	NA
Location:	Laundry 2428 - Floor Filler (Gray)							
23	CB-025A	025	0.185	49.2	48.6	2.2	NAD	NAD
Location:	Laundry 2428 - 6" Cove Base (Black)							
24	CB-025B	025	0.174	48.9	47.7	3.4	NAD	NAD
Location:	Laundry 2428 - 6" Cove Base (Black)							
25	CBM-026A	026	0.224	28.6	54.9	16.5	NAD	NAD
Location:	Laundry 2428 - Cove Base Mastic (White)							
26	CBM-026B	026	0.216	29.2	55.6	15.3	NAD	NAD
Location:	Laundry 2428 - Cove Base Mastic (White)							
27	ACT-027A	027	0.148	26.4	30.4	43.2	NAD	NAD
Location:	Laundry 2428 - 2 x 4 Ceiling Tile (Pinhole Figured White)							
28	ACT-027B	027	0.137	24.8	28.5	46.7	NAD	NAD
Location:	Laundry 2428 - 2 x 4 Ceiling Tile (Pinhole Figured White)							
29	SEAL-028A	028	0.191	34.0	23.6	33.0	Chrysotile 9.4	NA
Location:	Mech 2423 - Wall Penetration Sealant (Black)							
30	SEAL-028B	028	0.218	35.3	24.3	40.4	NA/PS	NA
Location:	Mech 2423 - Wall Penetration Sealant (Black)							
31	GRT-029A	029	----	----	----	----	NAD	NA
Location:	Trash Room 2411 - Quarry Tile Grout (Gray)							
32	GRT-029B	029	----	----	----	----	NAD	NA
Location:	Trash Room 2411 - Quarry Tile Grout (Gray)							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	THST-030A	030	----	----	----	----	NAD	NA
Location:	Trash Room 2411 - Quarry Tile Thinset (Gray)							
34	THST-030B	030	----	----	----	----	NAD	NA
Location:	Trash Room 2411 - Quarry Tile Thinset (Gray)							
35	CAN-031A	031	----	----	----	----	NAD	NA
Location:	Mech 2350 - Canvas Wrap							
36	CAN-031B	031	----	----	----	----	NAD	NA
Location:	Mech 2350 - Canvas Wrap							
37	SEAL-032A	032	0.202	61.4	28.2	10.4	NAD	NAD
Location:	Mech 2350 - Duct Seam Sealant							
38	SEAL-032B	032	0.113	69.0	23.9	7.1	NAD	NAD
Location:	Mech 2350 - Duct Seam Sealant							

Analyzed by: Marik Peysakhov_____; Date Analyzed 12/26/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

#218123046

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
FIT - 015 A,B,C	PIPE FITTING INSULATION (WHITE)	STORAGE Z426 & BATHROOM Z425
PINS - 016 A,B,C	PIPE INSULATION (WHITE)	STORAGE Z426 & BATHROOM Z425
GLZ - 017 A,B	WINDOW GLAZING COMPOUND (GRAY)	STORAGE Z426
CLK - 018 A,B	WINDOW CAULK (TAN)	STORAGE Z426
VAP - 019 A,B	VAPOR BARRIER (BLACK)	STORAGE Z426 & Z046
MAS - 020 A,B	CEILING MASTIC (BROWN)	STORAGE Z426
SEAL - 021 A,B	FIBER GLASS PIPE SEALANT (WHITE)	CHASE - Z046
FT - 022 A,B	12" FLOOR TILE (WHITE/BLACK)	LAUNDRY Z426
FTM - 023 A,B	FLOOR TILE MASTIC (WHITE)	LAUNDRY Z426
FLFR - 024 A,B	FLOOR FILLER (GRAY)	LAUNDRY Z426
CB - 025 A,B	6" COVE BASE (BROWN)	LAUNDRY Z426
CBM - 026 A,B	COVE BASE MASTIC (WHITE)	LAUNDRY Z426
ACT - 027 A,B	2x4 CEILING TILE (PINHOLE & FISSURED WHITE)	LAUNDRY Z426
SEAL - 028 A,B	WALL PENETRATION SEALANT (BLACK)	~~LAUNDRY~~ MECH Z423
GRT - 029 A,B	QUARRY TILE GROUT (GRAY)	TRASHROOM Z411
THST - 030 A,B	QUARRY TILE THINSET (GRAY)	TRASHROOM Z411
CAN - 031 A,B	CANVAS WRAP (WHITE)	MECH Z350
SEAL - 032 A,B	DUCT SEAM SEALANT (GRAY)	MECH Z350

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: 5 DAY **Verbal To:** / **Phone:** /

Sampled By:	[signature]	Date:	12/17/18
Shipped By:		Date:	
Received By Lab:	[signature]	Date:	12/20/18 1200
Results e-mailed By:		Date:	

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 12/20/18 **AmeriSci Job #** 218123047
Date Examined 12/20/18 **P.O. #**
ELAP # 11480 **Page** 1 **of** 8
RE: 18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ACT-033A 033	218123047-01 **Location:** Office 2055 - 2 x 4 Square Pattern Ceiling Tile	*No*	NAD [1] (by NYS ELAP 198.6) by Valeriu Voicu on 12/20/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 7 %, Non-fibrous 31.7 %			
ACT-033B 033	218123047-02 **Location:** Office 2055 - 2 x 4 Square Pattern Ceiling Tile	*No*	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/20/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5 %, Non-fibrous 28.3 %			
PLS-034A 034	218123047-03 **Location:** Cold Storage 2415 B & C - Plaster Skim Patch Compound (White)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-034B 034	218123047-04 **Location:** Cold Storage 2415 B & C - Plaster Skim Patch Compound (White)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-034C 034	218123047-05 **Location:** Cold Storage 2415 B & C - Plaster Skim Patch Compound (White)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLB-035A 035	218123047-06 **Location:** Cold Storage 2415 A, B, C - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-035B 035	218123047-07 **Location:** Cold Storage 2415 A, B, C - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-035A 035	218123047-08 **Location:** Cold Storage 2415 A, B, C - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GLZ-036A 036	218123047-09 **Location:** 2057 Exit Door - Door Visor Glazing Compound (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.5 %			
GLZ-036B 036	218123047-10 **Location:** 2057 Exit Door - Door Visor Glazing Compound (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.1 %			
FSP-037B 037	218123047-11 **Location:** Storage 2413 - Fire Stop Putty (Red)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Red, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 3 %, Non-fibrous 4.8 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FSP-037C 037	218123047-12 **Location:** Storage 2413 - Fire Stop Putty (Red)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Red, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 3 %, Non-fibrous 7.4 %			
PLS-038A 038	218123047-13 **Location:** Storage 2413 - Plaster Patching Compound (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 1 %, Non-fibrous 99 %			
PLS-038B 038	218123047-14 **Location:** Storage 2413 - Plaster Patching Compound (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 2 %, Non-fibrous 98 %			
PLS-038C 038	218123047-15 **Location:** Storage 2413 - Door Caulk (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 2 %, Non-fibrous 98 %			
CLK-039A 039	218123047-16 **Location:** Trash Room 2411 - Door Caulk (Gray)	***Yes***	1.8 % (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 1.8 % **Other Material:** Non-fibrous 15.1 %			
CLK-039B 039	218123047-17 **Location:** Trash Room 2411 - Door Caulk (Gray)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
MAS-040A 040	218123047-18 **Location:** Office Room 2348 & 2349 - Carpet Tack Strip Mastic (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 15.9 %			
MAS-040B 040	218123047-19 **Location:** Office Room 2348 & 2349 - Carpet Tack Strip Mastic (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 17.8 %			
CB-041A 041	218123047-20 **Location:** Office Room 2344 & 2349 - 4" Cove Base (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1 %			
CB-041B 041	218123047-21 **Location:** Office Room 2344 & 2349 - 4" Cove Base (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1 %			
CBM-042A 042	218123047-22 **Location:** Office Room 2344 & 2349 - Cove Base Mastic (Beige)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.4 %			
CBM-042B 042	218123047-23 **Location:** Office Room 2344 & 2349 - Cove Base Mastic (Beige)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.2 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
SR-043A 043	218123047-24 **Location:** Office 2339 & 2350 - Sheetrock (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 1 %, Fibrous glass Trace, Non-fibrous 99 %			
SR-043B 043	218123047-25 **Location:** Office 2339 & 2350 - Sheetrock (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 1 %, Fibrous glass Trace, Non-fibrous 99 %			
JC-044A 044	218123047-26 **Location:** Office 2339 & 2350 - Joint Compound (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
JC-044B 044	218123047-27 **Location:** Office 2339 & 2350 - Joint Compound (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
SKM-045A 045	218123047-28 **Location:** Corridor 2053 - Sink Mastic (White)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 26.4 %			
SKM-045B 045	218123047-29 **Location:** Corridor 2053 - Sink Mastic (White)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 26.7 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
HIB-046A 046	218123047-30 **Location:** Lobby 2050 - Heater Insulation Board (Gray)	***Yes***	57.1 % (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Light Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 57.1 % **Other Material:** Non-fibrous 42.9 %			
HIB-046B 046	218123047-31 **Location:** Lobby 2050 - Heater Insulation Board (Gray)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
HIB-046C 046	218123047-32 **Location:** Lobby 2050 - Heater Insulation Board (Gray)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
GRT-047A 047	218123047-33 **Location:** Lobby 2050 - Quarry Tile Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GRT-047B 047	218123047-34 **Location:** Lobby 2050 - Quarry Tile Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
THST-048A 048	218123047-35 **Location:** Lobby 2050 - Quarry Tile Thinset (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
THST-048B 048	218123047-36 **Location:** Lobby 2050 - Quarry Tile Thinset (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GRT-049A 049	218123047-37 **Location:** Bath 2035 & 2020 - Ceramic Wall Tile Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Light Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GRT-049B 049	218123047-38 **Location:** Bath 2035 & 2020 - Ceramic Wall Tile Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Light Green, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
THST-050A 050	218123047-39 **Location:** Bath 2035 & 2020 - Ceramic Wall Tile Thinset (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
THST-050B 050	218123047-40 **Location:** Bath 2035 & 2020 - Ceramic Wall Tile Thinset (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

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Reporting Notes:

(1) This job was - Analyzed using Olympus BH-2 Pol Scope S/N 229915

Analyzed by: Valeriu Voicu

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____

END OF REPORT

Client Name: Asbestos & Environmental Consulting Corp.

Table I

Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	ACT-033A	033	0.142	23.9	37.3	38.7	NAD	NAD
Location:	Office 2055 - 2 x 4 Square Pattern Ceiling Tile							
02	ACT-033B	033	0.135	23.7	43.0	33.3	NAD	NAD
Location:	Office 2055 - 2 x 4 Square Pattern Ceiling Tile							
03	PLS-034A	034	----	----	----	----	NAD	NA
Location:	Cold Storage 2415 B & C - Plaster Skim Patch Compound (White)							
04	PLS-034B	034	----	----	----	----	NAD	NA
Location:	Cold Storage 2415 B & C - Plaster Skim Patch Compound (White)							
05	PLS-034C	034	----	----	----	----	NAD	NA
Location:	Cold Storage 2415 B & C - Plaster Skim Patch Compound (White)							
06	PLB-035A	035	----	----	----	----	NAD	NA
Location:	Cold Storage 2415 A, B, C - Plaster Base Coat (Gray)							
07	PLB-035B	035	----	----	----	----	NAD	NA
Location:	Cold Storage 2415 A, B, C - Plaster Base Coat (Gray)							
08	PLB-035A	035	----	----	----	----	NAD	NA
Location:	Cold Storage 2415 A, B, C - Plaster Base Coat (Gray)							
09	GLZ-036A	036	0.164	40.9	50.6	8.5	NAD	NAD
Location:	2057 Exit Door - Door Visor Glazing Compound (Black)							
10	GLZ-036B	036	0.220	40.5	50.5	9.1	NAD	NAD
Location:	2057 Exit Door - Door Visor Glazing Compound (Black)							
11	FSP-037B	037	0.193	61.7	30.6	7.8	NAD	NAD
Location:	Storage 2413 - Fire Stop Putty (Red)							
12	FSP-037C	037	0.154	61.0	28.6	10.4	NAD	NAD
Location:	Storage 2413 - Fire Stop Putty (Red)							
13	PLS-038A	038	----	----	----	----	NAD	NA
Location:	Storage 2413 - Plaster Patching Compound (White)							
14	PLS-038B	038	----	----	----	----	NAD	NA
Location:	Storage 2413 - Plaster Patching Compound (White)							
15	PLS-038C	038	----	----	----	----	NAD	NA
Location:	Storage 2413 - Door Caulk (Gray)							
16	CLK-039A	039	0.201	27.9	55.2	15.1	Chrysotile 1.8	NA
Location:	Trash Room 2411 - Door Caulk (Gray)							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results
18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	CLK-039B	039	0.153	24.8	60.1	15.0	NA/PS	NA
Location:	Trash Room 2411 - Door Caulk (Gray)							
18	MAS-040A	040	0.107	54.2	29.9	15.9	NAD	NAD
Location:	Office Room 2348 & 2349 - Carpet Tack Strip Mastic (Tan)							
19	MAS-040B	040	0.129	53.5	28.7	17.8	NAD	NAD
Location:	Office Room 2348 & 2349 - Carpet Tack Strip Mastic (Tan)							
20	CB-041A	041	0.191	50.8	48.2	1.0	NAD	NAD
Location:	Office Room 2344 & 2349 - 4" Cove Base (Tan)							
21	CB-041B	041	0.192	51.0	47.9	1.0	NAD	NAD
Location:	Office Room 2344 & 2349 - 4" Cove Base (Tan)							
22	CBM-042A	042	0.175	45.1	47.4	7.4	NAD	NAD
Location:	Office Room 2344 & 2349 - Cove Base Mastic (Beige)							
23	CBM-042B	042	0.194	45.4	47.4	7.2	NAD	NAD
Location:	Office Room 2344 & 2349 - Cove Base Mastic (Beige)							
24	SR-043A	043	----	----	----	----	NAD	NA
Location:	Office 2339 & 2350 - Sheetrock (White)							
25	SR-043B	043	----	----	----	----	NAD	NA
Location:	Office 2339 & 2350 - Sheetrock (White)							
26	JC-044A	044	----	----	----	----	NAD	NA
Location:	Office 2339 & 2350 - Joint Compound (White)							
27	JC-044B	044	----	----	----	----	NAD	NA
Location:	Office 2339 & 2350 - Joint Compound (White)							
28	SKM-045A	045	0.053	18.9	54.7	26.4	NAD	NAD
Location:	Corridor 2053 - Sink Mastic (White)							
29	SKM-045B	045	0.060	33.3	40.0	26.7	NAD	NAD
Location:	Corridor 2053 - Sink Mastic (White)							
30	HIB-046A	046	----	----	----	----	Chrysotile 57.1	NA
Location:	Lobby 2050 - Heater Insulation Board (Gray)							
31	HIB-046B	046	----	----	----	----	NA/PS	NA
Location:	Lobby 2050 - Heater Insulation Board (Gray)							
32	HIB-046C	046	----	----	----	----	NA/PS	NA
Location:	Lobby 2050 - Heater Insulation Board (Gray)							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Gall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	GRT-047A	047	----	----	----	----	NAD	NA
Location:	Lobby 2050 - Quarry Tile Grout (Gray)							
34	GRT-047B	047	----	----	----	----	NAD	NA
Location:	Lobby 2050 - Quarry Tile Grout (Gray)							
35	THST-048A	048	----	----	----	----	NAD	NA
Location:	Lobby 2050 - Quarry Tile Thinset (Gray)							
36	THST-048B	048	----	----	----	----	NAD	NA
Location:	Lobby 2050 - Quarry Tile Thinset (Gray)							
37	GRT-049A	049	----	----	----	----	NAD	NA
Location:	Bath 2035 & 2020 - Ceramic Wall Tile Grout (Gray)							
38	GRT-049B	049	----	----	----	----	NAD	NA
Location:	Bath 2035 & 2020 - Ceramic Wall Tile Grout (Gray)							
39	THST-050A	050	----	----	----	----	NAD	NA
Location:	Bath 2035 & 2020 - Ceramic Wall Tile Thinset (Gray)							
40	THST-050B	050	----	----	----	----	NAD	NA
Location:	Bath 2035 & 2020 - Ceramic Wall Tile Thinset (Gray)							

Analyzed by: Marik Peysakhov_____; Date Analyzed 12/22/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

#218123047

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
ACT-033A,B	2X4 SUSPENDED PATTERN CEILING TILE	OFFICE 2055
PLS-034A,B,C	PLASTER SKIM PATCH COMPOUND (WHITE)	COLD STORAGE 2415 B & C
PLB-035A,B,C	PLASTER BASE COAT (GRAY)	COLD STORAGE 2415 A,B,C
GLZ-036A,B	DOOR VISION GLAZING COMPOUND (BLACK)	2077 EXIT DOOR
FSP-037A,B	FIRE STOP PUTTY (RED)	STORAGE 2413
PLS-038A,B,C	PLASTER PATCHING COMPOUND (WHITE)	STORAGE 2413
CLK-039A,B	DOOR CAULK (GRAY)	TRASH ROOM 2411
MAS-040A,B	CARPET TACK STRIP MASTIC (TAN)	OFFICE 2348 & 2349
CB-041A,B	4" COVE BASE (TAN)	OFFICE 2344 & 2349
CBM-042A,B	COVE BASE MASTIC (BEIGE)	OFFICE 2344 & 2349
SR-043A,B	SHEETROCK (WHITE)	OFFICE 2339 & 2350
JC-044A,B	JOINT COMPOUND (WHITE)	OFFICE 2339 & 2350
SKM-045A,B	SINK MASTIC (WHITE)	CORRIDOR 2053
HIB-046A,B,C	HEATER INSULATION BOARD (GRAY)	LOBBY 2050
GRT-047A,B	QUARRY TILE GROUT (GRAY)	LOBBY 2050
THST-048A,B	QUARRY TILE THINSET (GRAY)	LOBBY 2050
GRT-049A,B	CERAMIC WALL TILE GROUT (GRAY)	BATH 2035 & 2020
THST-050A,B	CERAMIC WALL TILE THINSET (GRAY)	BATH 2035 & 2020

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: 5DAY **Verbal To:** _____ **Phone:** _____

Sampled By:	[signature]	Date:	12/17/18
Shipped By:		Date:	
Received By Lab:	[signature]	Date:	12/20/18 1300
Results e-mailed By:		Date:	

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 12/20/18 **AmeriSci Job #** 218123049
Date Examined 12/20/18 **P.O. #**
ELAP # 11480 **Page** 1 **of** 7
RE: 18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TRZO-051A 051	218123049-01 **Location:** Bath 2035 & 202 - Terrazzo Flooring (White)	*No*	NAD [1] (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: OffWhite/Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
TRZO-051B 051	218123049-02 **Location:** Bath 2035 & 202 - Terrazzo Flooring (White)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: OffWhite/Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GRT-052A 052	218123049-03 **Location:** Janitor 2334 & 2136 - Ceramic Wall Tile Grout (Gray)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GRT-052B 052	218123049-04 **Location:** Janitor 2334 & 2136 - Ceramic Wall Tile Grout (Gray)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
THST-053A 053	218123049-05 **Location:** Janitor 2334 & 2136 - Ceramic Wall Tile Thinset (Gray)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
THST-053B 053	218123049-06 **Location:** Janitor 2334 & 2136 - Ceramic Wall Tile Thinset (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
CFLR-054A 054	218123049-07 **Location:** Janitor 2334 - Cork Flooring (Brown)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
CFLR-054B 054	218123049-08 **Location:** Janitor 2334 - Cork Flooring (Brown)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
CFM-055A 055	218123049-09 **Location:** Janitor 2334 - Cork Floor Mastic (Black)	***Yes***	3.1 % (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 3.1 % **Other Material:** Non-fibrous 24.4 %			
CFM-055B 055	218123049-10 **Location:** Janitor 2334 - Cork Floor Mastic (Black)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
GLZ-056A 056	218123049-11 **Location:** 2336 Office - Sidelight Window Glazing (Black)	***Yes***	1.9 % (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 1.9 % **Other Material:** Non-fibrous 4.7 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
GLZ-056B 056	218123049-12 **Location:** 2336 Office - Sidelight Window Glazing (Black)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
FT-057A 057	218123049-13 **Location:** Foyer 2020 - 9" Floor Tile (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous Talc Trace, Non-fibrous 41.4 %			
FT-057B 057	218123049-14 **Location:** Foyer 2020 - 9" Floor Tile (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.5 %			
FT-058A 058	218123049-15 **Location:** Corridor 2040 - 9" Floor Tile (Black/White)	***Yes***	2 % (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 2.0 % **Other Material:** Non-fibrous 14.5 %			
FT-058B 058	218123049-16 **Location:** Corridor 2040 - 9" Floor Tile (Black/White)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
FTM-059A 059	218123049-17 **Location:** Foyer 2020 & Corridor 2040 - Floor Tile Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.8 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FTM-059B 059	218123049-18 **Location:** Foyer 2020 & Corridor 2040 - Floor Tile Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 8.1 %			
ACT-060A 060	218123049-19 **Location:** Bath 2020 & Corridor 2040 - 12" Ceiling Tile (Fissured, White)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: White/Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 15.2 %			
ACT-060B 060	218123049-20 **Location:** Bath 2020 & Corridor 2040 - 12" Ceiling Tile (Fissured, White)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: White/Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.9 %			
ACTM-061A 061	218123049-21 **Location:** Bath 2020 & Corridor 2040 - Ceiling Tile Mastic (Brown)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.9 %			
ACTM-061B 061	218123049-22 **Location:** Bath 2020 & Corridor 2040 - Ceiling Tile Mastic (Brown)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 44 %			
CLK-062A 062	218123049-23 **Location:** Terrace - Stone Ledge Caulk (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CLK-062B 062	218123049-24 **Location:** Terrace - Stone Ledge Caulk (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.2 %			
GLZ-063A 063	218123049-25 **Location:** 2001 Stairwell Door - Door Vision Glazing Compound (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 22.9 %			
GLZ-063B 063	218123049-26 **Location:** 2001 Stairwell Door - Door Vision Glazing Compound (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 22 %			
FLFR-064A 064	218123049-27 **Location:** 2042 Corridor - Floor Filler (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
FLFR-064B 064	218123049-28 **Location:** 2042 Corridor - Floor Filler (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
TRZO-065A 065	218123049-29 **Location:** 2007 Stairwell - Terrazzo Flooring (Tan/Green)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Tan/Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TRZO-065B 065	218123049-30 **Location:** 2007 Stairwell - Terrazzo Flooring (Tan/Green)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Tan/Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
CFM-066A 066	218123049-31 **Location:** Student Room 2134 & 2132 - Cork Floor Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.8 %			
CFM-066B 066	218123049-32 **Location:** Student Room 2134 & 2132 - Cork Floor Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.3 %			
FT-067A 067	218123049-33 **Location:** Corridor 2043 - 9" Floor Tile (Tan/Streaks)	***Yes***	4.7 % (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 4.7 % **Other Material:** Non-fibrous 15.2 %			
FT-067B 067	218123049-34 **Location:** Corridor 2043 - 9" Floor Tile (Tan/Streaks)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
FTM-068A 068	218123049-35 **Location:** Corridor 2043 - Floor Tile Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black/Grey, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 32 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FTM-068B	218123049-36	*No*	NAD
068	**Location:** Corridor 2043 - Floor Tile Mastic (Black)		(by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18

Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 41.8 %

Reporting Notes:

(1) This job was - Analyzed using Olympus BH-2 Pol Scope S/N 229915

Analyzed by: Valeriu Voicu _____

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____ _____END OF REPORT_____

Client Name: Asbestos & Environmental Consulting Corp.

Table I

Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	TRZO-051A	051	----	----	----	----	NAD	NA
Location:	Bath 2035 & 202 - Terrazzo Flooring (White)							
02	TRZO-051B	051	----	----	----	----	NAD	NA
Location:	Bath 2035 & 202 - Terrazzo Flooring (White)							
03	GRT-052A	052	----	----	----	----	NAD	NA
Location:	Janitor 2334 & 2136 - Ceramic Wall Tile Grout (Gray)							
04	GRT-052B	052	----	----	----	----	NAD	NA
Location:	Janitor 2334 & 2136 - Ceramic Wall Tile Grout (Gray)							
05	THST-053A	053	----	----	----	----	NAD	NA
Location:	Janitor 2334 & 2136 - Ceramic Wall Tile Thinset (Gray)							
06	THST-053B	053	----	----	----	----	NAD	NA
Location:	Janitor 2334 & 2136 - Ceramic Wall Tile Thinset (Gray)							
07	CFLR-054A	054	----	----	----	----	NAD	NA
Location:	Janitor 2334 - Cork Flooring (Brown)							
08	CFLR-054B	054	----	----	----	----	NAD	NA
Location:	Janitor 2334 - Cork Flooring (Brown)							
09	CFM-055A	055	0.120	47.5	25.0	24.4	Chrysotile 3.1	NA
Location:	Janitor 2334 - Cork Floor Mastic (Black)							
10	CFM-055B	055	0.156	36.5	30.8	32.7	NA/PS	NA
Location:	Janitor 2334 - Cork Floor Mastic (Black)							
11	GLZ-056A	056	0.288	30.2	63.2	4.7	Chrysotile 1.9	NA
Location:	2336 Office - Sidelight Window Glazing (Black)							
12	GLZ-056B	056	0.283	29.7	63.3	7.1	NA/PS	NA
Location:	2336 Office - Sidelight Window Glazing (Black)							
13	FT-057A	057	0.215	32.1	26.5	41.4	NAD	NAD
Location:	Foyer 2020 - 9" Floor Tile (Tan)							
14	FT-057B	057	0.205	32.2	24.3	43.5	NAD	NAD
Location:	Foyer 2020 - 9" Floor Tile (Tan)							
15	FT-058A	058	0.273	27.1	56.4	14.5	Chrysotile 2.0	NA
Location:	Corridor 2040 - 9" Floor Tile (Black/White)							
16	FT-058B	058	0.255	26.8	70.0	3.1	NA/PS	NA
Location:	Corridor 2040 - 9" Floor Tile (Black/White)							

See Reporting notes on last page

Table I

Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	FTM-059A	059	0.129	85.3	7.0	7.8	NAD	NAD
Location:	Foyer 2020 & Corridor 2040 - Floor Tile Mastic (Black)							
18	FTM-059B	059	0.149	83.2	8.7	8.1	NAD	NAD
Location:	Foyer 2020 & Corridor 2040 - Floor Tile Mastic (Black)							
19	ACT-060A	060	0.290	12.4	72.4	15.2	NAD	NAD
Location:	Bath 2020 & Corridor 2040 - 12" Ceiling Tile (Fissured, White)							
20	ACT-060B	060	0.263	13.7	76.4	9.9	NAD	NAD
Location:	Bath 2020 & Corridor 2040 - 12" Ceiling Tile (Fissured, White)							
21	ACTM-061A	061	0.173	53.2	2.9	43.9	NAD	NAD
Location:	Bath 2020 & Corridor 2040 - Ceiling Tile Mastic (Brown)							
22	ACTM-061B	061	0.218	53.2	2.8	44.0	NAD	NAD
Location:	Bath 2020 & Corridor 2040 - Ceiling Tile Mastic (Brown)							
23	CLK-062A	062	0.199	71.4	21.6	7.0	NAD	NAD
Location:	Terrace - Stone Ledge Caulk (Tan)							
24	CLK-062B	062	0.180	72.2	20.6	7.2	NAD	NAD
Location:	Terrace - Stone Ledge Caulk (Tan)							
25	GLZ-063A	063	0.131	69.5	7.6	22.9	NAD	NAD
Location:	2001 Stairwell Door - Door Vision Glazing Compound (Black)							
26	GLZ-063B	063	0.182	72.0	6.0	22.0	NAD	NAD
Location:	2001 Stairwell Door - Door Vision Glazing Compound (Black)							
27	FLFR-064A	064	----	----	----	----	NAD	NA
Location:	2042 Corridor - Floor Filler (White)							
28	FLFR-064B	064	----	----	----	----	NAD	NA
Location:	2042 Corridor - Floor Filler (White)							
29	TRZO-065A	065	----	----	----	----	NAD	NA
Location:	2007 Stairwell - Terrazzo Flooring (Tan/Green)							
30	TRZO-065B	065	----	----	----	----	NAD	NA
Location:	2007 Stairwell - Terrazzo Flooring (Tan/Green)							
31	CFM-066A	066	0.276	14.5	41.7	43.8	NAD	NAD
Location:	Student Room 2134 & 2132 - Cork Floor Mastic (Black)							
32	CFM-066B	066	0.268	16.0	40.7	43.3	NAD	NAD
Location:	Student Room 2134 & 2132 - Cork Floor Mastic (Black)							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	FT-067A	067	0.186	18.3	61.8	15.2	Chrysotile 4.7	NA
Location:	Corridor 2043 - 9" Floor Tile (Tan/Streaks)							
34	FT-067B	067	0.203	20.7	59.6	19.7	NA/PS	NA
Location:	Corridor 2043 - 9" Floor Tile (Tan/Streaks)							
35	FTM-068A	068	0.178	59.6	8.4	32.0	NAD	NAD
Location:	Corridor 2043 - Floor Tile Mastic (Black)							
36	FTM-068B	068	0.141	48.9	9.2	41.8	NAD	NAD
Location:	Corridor 2043 - Floor Tile Mastic (Black)							

Analyzed by: Marik Peysakhov; Date Analyzed 12/22/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

#218123049

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
TRZO -051A,B	TERRAZZO FLOORING (WHITE)	BATH 2035 & 2022
GRT - 052A,B	CERAMIC WALL TILE GROUT (GRAY)	JANITOR 2334 & 2136
THST- 053A,B	CERAMIC WALL TILE THINSET (GRAY)	JANITER 2334 & 2136
CFLR -054A,B	CORK FLOORING (BROWN)	JANITOR 2334
CFM -055A,B	CORK FLOOR MASTIC (BLACK)	JANITOR 2334
GLZ-056A,B	SIDELIGHT WINDOW GLAZING (BLACK)	2336 OFFICE
FT- 057 A,B	9" FLOOR TILE (TAN)	FOYER 2020
FT- 058 A,B	9" FLOOR TILE (BLACK/WHITE)	CORRIDOR 2040
FTM-059 A,B	FLOOR TILE MASTIC (BLACK)	FOYER 2020 & CORRIDOR 2040
ACT -060 A,B	12" CEILING TILE (FISSURED/WHITE)	BATH 2020 & CORRIDOR 2040
ACTM-061A,B	CEILING TILE MASTIC (BROWN)	BATH 2020 & CORRIDOR 2040
CLK-062A,B	STEPPE LEDGE CAULK (TAN)	TERRACE
GLZ-063A,B	DOOR VISION GLAZING COMPOUND (BLACK)	2001 STAIRWELL DOOR
FLFL-064A,B	FLOOR FILLER (WHITE)	2042 CORRIDOR
TRZO-065A,B	TERRAZZO FLOORING (TAN/GREEN)	2001 STAIRWELL
CFM-066A,B	CORK FLOOR MASTIC (BLACK)	ELEVATOR - 2134 & 2132
FT -067A,B	9" FLOOR TILE (TAN/SPECKLES)	CORRIDOR 2043
FTM-068 A,B	FLOOR TILE MASTIC (BLACK)	CORRIDOR 2043

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete.
If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: 5 DAY **Verbal To:** _____ **Phone:** _____

Sampled By:		Date: 12/17/14
Shipped By:		Date:
Received By Lab:		Date: 12/20/14 1200
Results e-mailed By:		Date:

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 12/20/18 **AmeriSci Job #** 218123045
Date Examined 12/21/18 **P.O. #**
ELAP # 11480 **Page** 1 **of** 9
RE: 18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CB-069A 069	218123045-01 **Location:** Student Room 2153 & 2234 - 6" Cove Base	*No*	NAD [1] (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.6 %			
CB-069B 069	218123045-02 **Location:** Student Room 2153 & 2234 - 6" Cove Base	*No*	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.3 %			
CBM-070A 070	218123045-03 **Location:** Student Room 2153 & 2234 - Cove Base Mastic (Brown)	*No*	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 39.4 %			
CBM-070B 070	218123045-04 **Location:** Student Room 2153 & 2234 - Cove Base Mastic (Brown)	*No*	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 36.6 %			
CCBM-071A 071	218123045-05 **Location:** Student Room 2163 & 2162 - Corn Cove Base Mastic (Brown)	*No*	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 53.6 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CCBM-071B 071	218123045-06 **Location:** Student Room 2163 & 2162 - Corn Cove Base Mastic (Brown)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 50.4 %			
LINC-072A 072	218123045-07 **Location:** Student Laundry 2245 - Linoleum Sheet Flooring (Green / Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass Trace, Non-fibrous 4.4 %			
LINC-072B 072	218123045-08 **Location:** Student Laundry 2245 - Linoleum Sheet Flooring (Green / Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass Trace, Non-fibrous 5.2 %			
CB-073A 073	218123045-09 **Location:** Student Laundry 2245 - 4" Cove Base (LT. Brown)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 53.9 %			
CB-073B 073	218123045-10 **Location:** Student Laundry 2245 - 4" Cove Base (LT. Brown)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 41.9 %			
CBM-074A 074	218123045-11 **Location:** Student Laundry 2245 - Cove Base Mastic (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10.5 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CBM-074B 074	218123045-12 **Location:** Student Laundry 2245 - Cove Base Mastic (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9 %			
VAP-075A 075	218123045-13 **Location:** Tunnel - Vapor Barrier (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.3 %			
VAP-075B 075	218123045-14 **Location:** Tunnel - Vapor Barrier (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 13.8 %			
ACT-076A 076	218123045-15 **Location:** Student Laundry 2245 - 2x2 Rough Textured Color Tile (White)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.2 %			
ACT-076B 076	218123045-16 **Location:** Student Laundry 2245 - 2x2 Rough Textured Color Tile (White)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: White/Silver, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4 %			
PW-077A 077	218123045-17 **Location:** Student Laundry 2245 - Pipe Wrap (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.5 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PW-077B 077	218123045-18 **Location:** Student Laundry 2245 - Pipe Wrap (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.7 %			
WF-078A 078	218123045-19 **Location:** Student Laundry 2245 - Local Felt Pipe Insulation (Brown)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Animal hair 97 %, Cellulose Trace, Non-fibrous 3 %			
WF-078B 078	218123045-20 **Location:** Student Laundry 2245 - Local Felt Pipe Insulation (Brown)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Animal hair 98 %, Cellulose Trace, Non-fibrous 2 %			
WF-078C 078	218123045-21 **Location:** Student Laundry 2245 - Local Felt Pipe Insulation (Brown)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Animal hair 97 %, Cellulose Trace, Non-fibrous 3 %			
PLS-079A 079	218123045-22 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite/Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-079B 079	218123045-23 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite/Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLS-079C 079	218123045-24 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite/Yellow, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-079D 079	218123045-25 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite/Green, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-079E 079	218123045-26 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite/Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-079F 079	218123045-27 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite/Beige, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-079G 079	218123045-28 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: OffWhite/Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLG-080A 080	218123045-29 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLG-080B 080	218123045-30 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLG-080C 080	218123045-31 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLG-080D 080	218123045-32 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLG-080E 080	218123045-33 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLG-080F 080	218123045-34 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLG-080G 080	218123045-35 **Location:** 2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PM-081A 081	218123045-36 **Location:** Corridor 1044 & Storage 1225 - Cork Pipe Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.6 %			
PM-081B 081	218123045-37 **Location:** Corridor 1044 & Storage 1225 - Cork Pipe Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.9 %			
LINO-082A 082	218123045-38 **Location:** Corridor 1044 - Linoleum Flooring (Gray)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.9 %			
LINO-082B 082	218123045-39 **Location:** Corridor 1044 - Linoleum Flooring (Gray)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4 %			
LMAS-083A 083	218123045-40 **Location:** Corridor 1044 - Linoleum Mastic (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42.3 %			
LMAS-083B 083	218123045-41 **Location:** Corridor 1044 - Linoleum Mastic (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 34.8 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FR-084A 084	218123045-42 **Location:** Room 1165 - 12" Floor Tile Square Pattern (White)	***Yes***	Trace (<0.25 % pc) [2] (EPA 400 PC) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 11 %			
FR-084B 084	218123045-43 **Location:** Room 1165 - 12" Floor Tile Square Pattern (White)	***Yes***	Trace (<0.25 % pc) [2] (EPA 400 PC) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 11.6 %			
CPM-085A 085	218123045-44 **Location:** Room 1163 & 1167 - Carpet Mastic (Yellow)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 33.5 %			
CPM-085B 085	218123045-45 **Location:** Room 1163 & 1167 - Carpet Mastic (Yellow)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan/Grey, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38.8 %			
CPM-086A 086	218123045-46 **Location:** Room 1157 - Carpet Mastic (LT. Yellow)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 23.9 %			
CPM-086B 086	218123045-47 **Location:** Room 1157 - Carpet Mastic (LT. Yellow)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 45.9 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

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Reporting Notes:

(1) This job was - Analyzed using Olympus BH-2 Pol Scope S/N 229915

(2) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Valeriu Voicu _____

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____ _____END OF REPORT_____

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	CB-069A	069	0.169	50.3	49.1	0.6	NAD	NAD
Location:	Student Room 2153 & 2234 - 6" Cove Base							
02	CB-069B	069	0.158	50.6	48.1	1.3	NAD	NAD
Location:	Student Room 2153 & 2234 - 6" Cove Base							
03	CBM-070A	070	0.132	40.2	20.5	39.4	NAD	NAD
Location:	Student Room 2153 & 2234 - Cove Base Mastic (Brown)							
04	CBM-070B	070	0.112	42.0	21.4	36.6	NAD	NAD
Location:	Student Room 2153 & 2234 - Cove Base Mastic (Brown)							
05	CCBM-071A	071	0.138	38.4	8.0	53.6	NAD	NAD
Location:	Student Room 2163 & 2162 - Corn Cove Base Mastic (Brown)							
06	CCBM-071B	071	0.117	44.4	5.1	50.4	NAD	NAD
Location:	Student Room 2163 & 2162 - Corn Cove Base Mastic (Brown)							
07	LINC-072A	072	0.271	46.9	48.7	4.4	NAD	NAD
Location:	Student Laundry 2245 - Linoleum Sheet Flooring (Green / Tan)							
08	LINC-072B	072	0.232	46.1	48.7	5.2	NAD	NAD
Location:	Student Laundry 2245 - Linoleum Sheet Flooring (Green / Tan)							
09	CB-073A	073	0.178	43.8	2.2	53.9	NAD	NAD
Location:	Student Laundry 2245 - 4" Cove Base (LT. Brown)							
10	CB-073B	073	0.210	38.1	20.0	41.9	NAD	NAD
Location:	Student Laundry 2245 - 4" Cove Base (LT. Brown)							
11	CBM-074A	074	0.239	38.5	51.0	10.5	NAD	NAD
Location:	Student Laundry 2245 - Cove Base Mastic (Tan)							
12	CBM-074B	074	0.188	38.3	52.7	9.0	NAD	NAD
Location:	Student Laundry 2245 - Cove Base Mastic (Tan)							
13	VAP-075A	075	0.237	87.8	3.0	9.3	NAD	NAD
Location:	Tunnel - Vapor Barrier (Black)							
14	VAP-075B	075	0.203	83.3	3.0	13.8	NAD	NAD
Location:	Tunnel - Vapor Barrier (Black)							
15	ACT-076A	076	0.312	15.1	82.7	2.2	NAD	NAD
Location:	Student Laundry 2245 - 2x2 Rough Textured Color Tile (White)							
16	ACT-076B	076	0.177	20.9	75.1	4.0	NAD	NAD
Location:	Student Laundry 2245 - 2x2 Rough Textured Color Tile (White)							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	PW-077A	077	0.201	72.1	26.4	1.5	NAD	NAD
Location:	Student Laundry 2245 - Pipe Wrap (Black)							
18	PW-077B	077	0.121	97.5	0.8	1.7	NAD	NAD
Location:	Student Laundry 2245 - Pipe Wrap (Black)							
19	WF-078A	078	----	----	----	----	NAD	NA
Location:	Student Laundry 2245 - Local Felt Pipe Insulation (Brown)							
20	WF-078B	078	----	----	----	----	NAD	NA
Location:	Student Laundry 2245 - Local Felt Pipe Insulation (Brown)							
21	WF-078C	078	----	----	----	----	NAD	NA
Location:	Student Laundry 2245 - Local Felt Pipe Insulation (Brown)							
22	PLS-079A	079	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)							
23	PLS-079B	079	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)							
24	PLS-079C	079	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)							
25	PLS-079D	079	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)							
26	PLS-079E	079	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)							
27	PLS-079F	079	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)							
28	PLS-079G	079	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Rough Textured Plaster (Tan)							
29	PLG-080A	080	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)							
30	PLG-080B	080	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)							
31	PLG-080C	080	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)							
32	PLG-080D	080	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	PLG-080E	080	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)							
34	PLG-080F	080	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)							
35	PLG-080G	080	----	----	----	----	NAD	NA
Location:	2003, 2243, 1043, 3001, 4001, 3029, 5003 - Plaster Base Coat (Gray)							
36	PM-081A	081	0.159	99.4	0.0	0.6	NAD	NAD
Location:	Corridor 1044 & Storage 1225 - Cork Pipe Mastic (Black)							
37	PM-081B	081	0.171	40.9	49.1	9.9	NAD	NAD
Location:	Corridor 1044 & Storage 1225 - Cork Pipe Mastic (Black)							
38	LINO-082A	082	0.210	48.1	49.0	2.9	NAD	NAD
Location:	Corridor 1044 - Linoleum Flooring (Gray)							
39	LINO-082B	082	0.149	49.0	47.0	4.0	NAD	NAD
Location:	Corridor 1044 - Linoleum Flooring (Gray)							
40	LMAS-083A	083	0.149	38.3	19.5	42.3	NAD	NAD
Location:	Corridor 1044 - Linoleum Mastic (Tan)							
41	LMAS-083B	083	0.132	45.5	19.7	34.8	NAD	NAD
Location:	Corridor 1044 - Linoleum Mastic (Tan)							
42	FR-084A	084	0.227	26.4	62.6	9.3	Chrysotile <0.25	Chrysotile 1.7
Location:	Room 1165 - 12" Floor Tile Square Pattern (White)							
43	FR-084B	084	0.242	28.1	60.3	11.6	Chrysotile <0.25	NA/PS
Location:	Room 1165 - 12" Floor Tile Square Pattern (White)							
44	CPM-085A	085	0.275	52.0	14.5	33.5	NAD	NAD
Location:	Room 1163 & 1167 - Carpet Mastic (Yellow)							
45	CPM-085B	085	0.201	52.2	9.0	38.8	NAD	NAD
Location:	Room 1163 & 1167 - Carpet Mastic (Yellow)							
46	CPM-086A	086	0.355	73.8	2.3	23.9	NAD	NAD
Location:	Room 1157 - Carpet Mastic (LT. Yellow)							
47	CPM-086B	086	0.135	45.9	8.1	45.9	NAD	NAD
Location:	Room 1157 - Carpet Mastic (LT. Yellow)							

See Reporting notes on last page

AmeriSci Job #: **218123045**

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM

Analyzed by: Marik Peysakhov_____; Date Analyzed 12/23/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

#218123045

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
CB-069 A,B	6" COVE BASE	STUDENT ROOM 2153 & 2234
CBM-070 A,B	COVE BASE MASTIC (BROWN)	STUDENT ROOM 2153 & 2234
CCBM-071 A,B	CORK COVE BASE MASTIC (BROWN	STUDENT ROOM 2163 & 2167
LINC-072 A,B	Linoleum sheet flooring (GREEN/TAN)	Student Laundry 2245
CB-073 A,B	4" COVE BASE (LT. BROWN)	STUDENT LAUNDRY 2245
CBM-074 A,B	COVE BASE MASTIC (TAN)	STUDENT LAUNDRY 2245
VAP-075 A,B	VAPOR BARRIER (BLACK)	TUNNEL
ACT-076 A,B	2X2 ROUGH TEXTURED CEILING TILE (WHITE)	STUDENT LAUNDRY 2245
PW-077 A,B	PIPE WRAP (BLACK)	STUDENT LAUNDRY 2245
WF-078 A,B,C	WOOL FELT PIPE INSULATION (BROWN)	STUDENT LAUNDRY 2245
PLS-079 A-C	ROUGH TEXTURED PLASTER (TAN)	2063, 2243, 1043, 3001, 4001, 3029, 5003
PLB-080 A-C	PLASTER BASE COAT (GRAY)	2063, 2243, 1043, 3001, 4001, 3029, 5003
PM-081 A,B	CORK PIPE MASTIC (BLACK)	CORRIDOR 1044 & STORAGE 1229
LINO-082 A,B	LINOLEUM FLOORING (GRAY)	CORRIDOR 1044
LMS-083 A,B	LINOLEUM MASTIC (TAN)	CORRIDOR 1044
FT-084 A,B	12" FLOOR TILE SQUARE PATTERN (WHITE)	ROOM 1165
CAM-085 A,B	CARPET MASTIC (YELLOW)	ROOM 1163 & 1167
CAM-086 A,B	CARPET MASTIC (LT. YELLOW)	ROOM 1157

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: 5 DAY **Verbal To:** _____ **Phone:** _____

Sampled By:	[signature]	Date:	12/14/18
Shipped By:		Date:	
Received By Lab:	[signature]	Date:	12/20/18 1200
Results e-mailed By:		Date:	

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 12/20/18
Date Examined 12/21/18
ELAP # 11480

AmeriSci Job # 218123050
P.O. #
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RE: 18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CB-087A 087	218123050-01 **Location:** Room 1157 - 4" Cove Base (Maroon)	*No*	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Maroon, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.7 %			
CB-087B 087	218123050-02 **Location:** Room 1157 - 4" Cove Base (Maroon)	*No*	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Maroon, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.7 %			
CBM-088A 088	218123050-03 **Location:** Room 1157 - Cove Base Mastic (Tan)	*No*	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Yellow/Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 5.2 %			
CBM-088B 088	218123050-04 **Location:** Room 1157 - Cove Base Mastic (Tan)	*No*	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Yellow/Brown, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 4 %			
ACT-089A 089	218123050-05 **Location:** Room 1157 - 2 X 2 Smooth Ceiling Tile (White)	*No*	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 40.4 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ACT-089B 089	218123050-06 **Location:** Room 1157 - 2 X 2 Smooth Ceiling Tile (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 39.2 %			
SEAL-090A 090	218123050-07 **Location:** Mech 1109 - Fiberglass Pipe Sealant (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 6 %, Non-fibrous 6 %			
SEAL-090B 090	218123050-08 **Location:** Mech 1109 - Fiberglass Pipe Sealant (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 6 %, Non-fibrous 50.2 %			
MAS-091A 091	218123050-09 **Location:** Mech 1109 - Ceiling Mastic (Lt. Brown)	***Yes***	6.6 % (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 6.6 % **Other Material:** Non-fibrous 51.3 %			
MAS-091B 091	218123050-10 **Location:** Mech 1109 - Ceiling Mastic (Lt. Brown)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
PAT-092A 092	218123050-11 **Location:** Mech 1109 - Ceiling Patching Compound (White)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PAT-092B 092	218123050-12 **Location:** Mech 1109 - Ceiling Patching Compound (White)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PAT-092C 092	218123050-13 **Location:** Mech 1109 - Ceiling Patching Compound (White)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PAT-093A 093	218123050-14 **Location:** Mech 1109 - Ceiling Patching Compound (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PAT-093B 093	218123050-15 **Location:** Mech 1109 - Ceiling Patching Compound (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PAT-093C 093	218123050-16 **Location:** Mech 1109 - Ceiling Patching Compound (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PCB-094A 094	218123050-17 **Location:** Mech 1109 - Ceiling Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PCB-094B 094	218123050-18 **Location:** Mech 1109 - Ceiling Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PCB-094C 094	218123050-19 **Location:** Mech 1109 - Ceiling Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
COAT-095A 095	218123050-20 **Location:** Mech 1109 - Wall Coating (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
COAT-095B 095	218123050-21 **Location:** Mech 1109 - Wall Coating (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
COAT-095C 095	218123050-22 **Location:** Mech 1109 - Wall Coating (Gray)	***Yes***	0.8 % (EPA 400 PC) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 0.8 % **Other Material:** Non-fibrous 99.2 % **Comment:** Sample contaminated by insulation attached to it.			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
DEB-096A 096	218123050-23 **Location:** Tunnel Under 1109 - Debris (Gray)	***No***	NAD [1] (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 20 %, Non-fibrous 80 %			
DEB-096B 096	218123050-24 **Location:** Tunnel Under 1109 - Debris (Gray)	***No***	NAD [1] (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 20 %, Non-fibrous 80 %			
PLB-097A 097	218123050-25 **Location:** Mech 1109 - Column Plaster Base (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLB-097B 097	218123050-26 **Location:** Mech 1109 - Column Plaster Base (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLB-097C 097	218123050-27 **Location:** Mech 1109 - Column Plaster Base (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-098A 098	218123050-28 **Location:** Mech 1109 - Column Plaster Skim (White)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLS-098B 098	218123050-29 **Location:** Mech 1109 - Column Plaster Skim (White)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-098C 098	218123050-30 **Location:** Mech 1109 - Column Plaster Skim (White)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
SEAL-099A 099	218123050-31 **Location:** Tunnel - Fiberglass Pipe Sealant (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 3 %, Non-fibrous 22.6 %			
SEAL-099B 099	218123050-32 **Location:** Tunnel - Fiberglass Pipe Sealant (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 2 %, Non-fibrous 21.5 %			
FT-100A 100	218123050-33 **Location:** Room 1138 - 12" Floor Tile (Gray)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 18.8 %			
FT-100B 100	218123050-34 **Location:** Room 1138 - 12" Floor Tile (Gray)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 17.1 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FTM-101A 101	218123050-35 **Location:** Room 1138 - Floor Tile Mastic (Yellow)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 23.7 %			
FTM-101B 101	218123050-36 **Location:** Room 1138 - Floor Tile Mastic (Yellow)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 24.6 %			
STRD-102A 102	218123050-37 **Location:** Corridor - Stair Tread (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 52.3 %			
STRD-102B 102	218123050-38 **Location:** Corridor - Stair Tread (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42.6 %			
STM-103A 103	218123050-39 **Location:** Corridor - Stair Tread Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 32.6 %			
STM-103B 103	218123050-40 **Location:** Corridor - Stair Tread Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 34.5 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
AT-104A 104	218123050-41 **Location:** Room 1140 - 12" Peg Hole Ceiling Tile (White)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 3.2 %			
AT-104B 104	218123050-42 **Location:** Room 1140 - 12" Peg Hole Ceiling Tile (White)	***No***	NAD [2] (by NYS ELAP 198.6) by Jared C. Clarke on 12/21/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.9 %			

Reporting Notes:

(1) Analysis Results For Soil, Dust, Or Debris May Be Highly Variable Because Of The Heterogeneous Nature Of These Samples

(2) This job was - Analyzed using Motic BA310 Pol Scope S/N 1190000326

Analyzed by: Jared C. Clarke _____

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____ _____END OF REPORT_____

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	CB-087A	087	0.135	63.0	36.3	0.7	NAD	NAD
Location:	Room 1157 - 4" Cove Base (Maroon)							
02	CB-087B	087	0.136	62.5	36.8	0.7	NAD	NAD
Location:	Room 1157 - 4" Cove Base (Maroon)							
03	CBM-088A	088	0.251	33.5	61.4	5.2	NAD	NAD
Location:	Room 1157 - Cove Base Mastic (Tan)							
04	CBM-088B	088	0.200	32.5	63.5	4.0	NAD	NAD
Location:	Room 1157 - Cove Base Mastic (Tan)							
05	ACT-089A	089	0.146	17.1	42.5	40.4	NAD	NAD
Location:	Room 1157 - 2 X 2 Smooth Ceiling Tile (White)							
06	ACT-089B	089	0.143	17.5	43.4	39.2	NAD	NAD
Location:	Room 1157 - 2 X 2 Smooth Ceiling Tile (White)							
07	SEAL-090A	090	0.158	50.0	38.0	12.0	NAD	NAD
Location:	Mech 1109 - Fiberglass Pipe Sealant (White)							
08	SEAL-090B	090	0.153	41.2	2.6	56.2	NAD	NAD
Location:	Mech 1109 - Fiberglass Pipe Sealant (White)							
09	MAS-091A	091	0.145	40.0	2.1	51.3	Chrysotile 6.6	NA
Location:	Mech 1109 - Ceiling Mastic (Lt. Brown)							
10	MAS-091B	091	0.140	41.4	6.4	52.1	NA/PS	NA
Location:	Mech 1109 - Ceiling Mastic (Lt. Brown)							
11	PAT-092A	092	----	----	----	----	NAD	NA
Location:	Mech 1109 - Ceiling Patching Compound (White)							
12	PAT-092B	092	----	----	----	----	NAD	NA
Location:	Mech 1109 - Ceiling Patching Compound (White)							
13	PAT-092C	092	----	----	----	----	NAD	NA
Location:	Mech 1109 - Ceiling Patching Compound (White)							
14	PAT-093A	093	----	----	----	----	NAD	NA
Location:	Mech 1109 - Ceiling Patching Compound (Gray)							
15	PAT-093B	093	----	----	----	----	NAD	NA
Location:	Mech 1109 - Ceiling Patching Compound (Gray)							
16	PAT-093C	093	----	----	----	----	NAD	NA
Location:	Mech 1109 - Ceiling Patching Compound (Gray)							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	PCB-094A	094	----	----	----	----	NAD	NA
Location:	Mech 1109 - Ceiling Base Coat (Gray)							
18	PCB-094B	094	----	----	----	----	NAD	NA
Location:	Mech 1109 - Ceiling Base Coat (Gray)							
19	PCB-094C	094	----	----	----	----	NAD	NA
Location:	Mech 1109 - Ceiling Base Coat (Gray)							
20	COAT-095A	095	----	----	----	----	NAD	NA
Location:	Mech 1109 - Wall Coating (Gray)							
21	COAT-095B	095	----	----	----	----	NAD	NA
Location:	Mech 1109 - Wall Coating (Gray)							
22	COAT-095C	095	----	----	----	----	Chrysotile 0.8	NA
Location:	Mech 1109 - Wall Coating (Gray)							
23	DEB-096A	096	----	----	----	----	NAD	NA
Location:	Tunnel Under 1109 - Debris (Gray)							
24	DEB-096B	096	----	----	----	----	NAD	NA
Location:	Tunnel Under 1109 - Debris (Gray)							
25	PLB-097A	097	----	----	----	----	NAD	NA
Location:	Mech 1109 - Column Plaster Base (Gray)							
26	PLB-097B	097	----	----	----	----	NAD	NA
Location:	Mech 1109 - Column Plaster Base (Gray)							
27	PLB-097C	097	----	----	----	----	NAD	NA
Location:	Mech 1109 - Column Plaster Base (Gray)							
28	PLS-098A	098	----	----	----	----	NAD	NA
Location:	Mech 1109 - Column Plaster Skim (White)							
29	PLS-098B	098	----	----	----	----	NAD	NA
Location:	Mech 1109 - Column Plaster Skim (White)							
30	PLS-098C	098	----	----	----	----	NAD	NA
Location:	Mech 1109 - Column Plaster Skim (White)							
31	SEAL-099A	099	0.172	12.8	61.6	25.6	NAD	NAD
Location:	Tunnel - Fiberglass Pipe Sealant (White)							
32	SEAL-099B	099	0.183	12.6	63.9	23.5	NAD	NAD
Location:	Tunnel - Fiberglass Pipe Sealant (White)							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	FT-100A	100	0.176	17.6	63.6	18.8	NAD	NAD
Location:	Room 1138 - 12" Floor Tile (Gray)							
34	FT-100B	100	0.205	17.6	65.4	17.1	NAD	NAD
Location:	Room 1138 - 12" Floor Tile (Gray)							
35	FTM-101A	101	0.177	53.1	23.2	23.7	NAD	NAD
Location:	Room 1138 - Floor Tile Mastic (Yellow)							
36	FTM-101B	101	0.122	58.2	17.2	24.6	NAD	NAD
Location:	Room 1138 - Floor Tile Mastic (Yellow)							
37	STRD-102A	102	0.151	37.7	9.9	52.3	NAD	NAD
Location:	Corridor - Stair Tread (Black)							
38	STRD-102B	102	0.148	37.8	19.6	42.6	NAD	NAD
Location:	Corridor - Stair Tread (Black)							
39	STM-103A	103	0.135	61.5	5.9	32.6	NAD	NAD
Location:	Corridor - Stair Tread Mastic (Black)							
40	STM-103B	103	0.084	58.3	7.1	34.5	NAD	NAD
Location:	Corridor - Stair Tread Mastic (Black)							
41	AT-104A	104	0.062	95.2	1.6	3.2	NAD	NAD
Location:	Room 1140 - 12" Peg Hole Ceiling Tile (White)							
42	AT-104B	104	0.052	96.2	1.9	1.9	NAD	NAD
Location:	Room 1140 - 12" Peg Hole Ceiling Tile (White)							

Analyzed by: Marik Peysakhov_____; Date Analyzed 12/23/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

#218123050

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
CB-057 A,B	4" COVE BASE (MAROON)	ROOM 1157
CBM-058 A,B	COVE BASE MASTIC (TAN)	ROOM 1157
ACT-059 A,B	2X2 SUSPENDED CEILING TILE (WHITE)	ROOM 1157
SEAL-060 A,B	FIBERGLASS PIPE SEALANT (WHITE)	MECH 1109
MAS-061 A,B	CEILING POPCORN MASTIC (LT. BROWN)	MECH 1109
PAT-062 A,B,C	CEILING PATCHING COMPOUND (WHITE)	MECH 1109
PAT-063 A,B,C	CEILING PATCHING COMPOUND (GRAY)	MECH 1109
PLB-064 A,B,C	CEILING BASE COAT (GRAY)	MECH 1109
COAT-065 A,B,C	WALL COATING (GRAY)	MECH 1109
PEB-066 AB	DEBRIS (GRAY)	TUNNEL UNDER 1109
PLB-067 A,B,C	COLUMN PLASTER BASE (GRAY)	MECH 1109
PLS-068 A,B,C	COLUMN PLASTER SKIM (WHITE)	MECH 1109
SEAL-069 A,B,	FIBERGLASS PIPE SEALANT (WHITE)	TUNNEL
FT-100 A,B	12" FLOOR TILE (GRAY)	ROOM 1135
FTM-101 A,B	FLOOR TILE MASTIC (YELLOW)	ROOM 1135
STRD-102 A,B	STAIR TREAD (BLACK)	CORRIDOR 1043
STM-103 A,B	STAIR TREAD MASTIC (BLACK)	CORRIDOR 1043
AT)-104 A,B	12", RESILIENT CEILING TILE (WHITE)	ROOM 1140

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: 5 DAY **Verbal To:** _____ **Phone:** _____

Sampled By:		Date: 12/14/18
Shipped By:		Date:
Received By Lab:		Date: 12/20/18 1200
Results e-mailed By:		Date:

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 12/20/18
Date Examined 12/20/18
ELAP # 11480

AmeriSci Job # 218123051
P.O. #
Page 1 **of** 11

RE: 18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
ACTM-105A 105	218123051-01 **Location:** Room 1140 - Brown Ceiling Tile Mastic	*No*	NAD [1] (by NYS ELAP 198.6) by Valeriu Voicu on 12/20/18
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42.7 %			
ACTM-105B 105	218123051-02 **Location:** Room 1140 - Brown Ceiling Tile Mastic	*No*	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 45.2 %			
ACTM-106A 106	218123051-03 **Location:** Room 1140 - Light Brown Ceiling Tile Mastic	*Yes*	1.9 % [2] (EPA 400 PC) by Valeriu Voicu on 12/21/18
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 1.9 % **Other Material:** Non-fibrous 38.6 %			
ACTM-106B 106	218123051-04 **Location:** Room 1140 - Light Brown Ceiling Tile Mastic		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
FLFR-107A 107	218123051-05 **Location:** Corridor 3040 - Gray Floor Leveling Compound	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FLFR-107B 107	218123051-06 **Location:** Corridor 3040 - Gray Floor Leveling Compound	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
FLFR-108A 108	218123051-07 **Location:** Corridor 3040 - White Floor Leveling Compound	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
FLFR-108B 108	218123051-08 **Location:** Corridor 3040 - White Floor Leveling Compound	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
FL-109A 109	218123051-09 **Location:** Corridor 3040 & Room 3159 - Red / Brown Flooring "Cork"	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Animal hair Trace, Cellulose Trace, Non-fibrous 100 %			
FL-109B 109	218123051-10 **Location:** Corridor 3040 & Room 3159 - Red / Brown Flooring "Cork"	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Animal hair 1 %, Cellulose Trace, Non-fibrous 99 %			
MAS-110A 110	218123051-11 **Location:** Corridor 3040 & Room 3159 - Black Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 22.4 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
MAS-110B 110	218123051-12 **Location:** Corridor 3040 & Room 3159 - Black Floor Mastic	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 45.1 %			
CB-111A 111	218123051-13 **Location:** Corridor 3040 - Tan 8" Cove Base	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.5 %			
CB-111B 111	218123051-14 **Location:** Corridor 3040 - Tan 8" Cove Base	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 0.8 %			
CBM-112A 112	218123051-15 **Location:** Corridor 3040 - Beige Cove Base Mastic	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 46.2 %			
CBM-112B 112	218123051-16 **Location:** Corridor 3040 - Beige Cove Base Mastic	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 21 %			
LINO-113A 113	218123051-17 **Location:** Kitchen 3116 & 3258 - Tan Pebble Linoleum Flooring	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 2 %, Non-fibrous 12 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
LINO-113B 113	218123051-18 **Location:** Kitchen 3116 & 3258 - Tan Pebble Linoleum Flooring	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 27.8 %			
SKM-114A 114	218123051-19 **Location:** Kitchen 3116 & 3258 - White Sink Mastic	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 34 %			
SKM-114B 114	218123051-20 **Location:** Kitchen 3116 & 3258 - White Sink Mastic	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 35 %			
SR-115A 115	218123051-21 **Location:** Kitchen 3116 & 3258 - Gray Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: OffWhite/Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 3 %, Non-fibrous 97 %			
SR-115B 115	218123051-22 **Location:** Kitchen 3116 & 3258 - Gray Sheetrock	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 1 %, Non-fibrous 99 %			
JC-116A 116	218123051-23 **Location:** Kitchen 3116 & 3258 - White Joint Compound	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
JC-116B 116	218123051-24 **Location:** Kitchen 3116 & 3258 - White Joint Compound	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/20/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-117A 117	218123051-25 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-117B 117	218123051-26 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White/Beige, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-117C 117	218123051-27 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-117D 117	218123051-28 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-117E 117	218123051-29 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLS-117F 117	218123051-30 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-117G 117	218123051-31 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey/White, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-117H 117	218123051-32 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-117I 117	218123051-33 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLS-117J 117	218123051-34 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-117K 117	218123051-35 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLS-117L 117	218123051-36 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-117M 117	218123051-37 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-117N 117	218123051-38 **Location:** 3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey/White, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118A 118	218123051-39 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118B 118	218123051-40 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118C 118	218123051-41 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLB-118D 118	218123051-42 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118E 118	218123051-43 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118F 118	218123051-44 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118G 118	218123051-45 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118H 118	218123051-46 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118I 118	218123051-47 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLB-118J 118	218123051-48 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118K 118	218123051-49 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLB-118L 118	218123051-50 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118M 118	218123051-51 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-118N 118	218123051-52 **Location:** 3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GRT-119A 119	218123051-53 **Location:** Bathroom 3022 & 4034 - Gray Ceramic Floor Grout	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
GRT-119B 119	218123051-54 **Location:** Bathroom 3022 & 4034 - Gray Ceramic Floor Grout	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
VAP-120A 120	218123051-55 **Location:** Bathroom 3022 & 4034 - Black Ceramic Floor Vapor Barrier	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1 %			
VAP-120B 120	218123051-56 **Location:** Bathroom 3022 & 4034 - Black Ceramic Floor Vapor Barrier	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.3 %			
THST-121A 121	218123051-57 **Location:** Bathroom 3022 & 4034 - White Ceramic Floor Thinset	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
THST-121B 121	218123051-58 **Location:** Bathroom 3022 & 4034 - White Ceramic Floor Thinset	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/21/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
MAS-122A 122	218123051-59 **Location:** Room 3256 - Black Floor Mastic	***Yes***	4.3 % (by NYS ELAP 198.6) by Valeriu Voicu on 12/21/18
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 4.3 % **Other Material:** Non-fibrous 37 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
MAS-122B	218123051-60		NA/PS
122	**Location:** Room 3256 - Black Floor Mastic		

Analyst Description: Bulk Material
Asbestos Types:
Other Material:

Reporting Notes:

(1) This job was - Analyzed using Olympus BH-2 Pol Scope S/N 229915

(2) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Valeriu Voicu

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____

END OF REPORT

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	ACTM-105A	105	0.246	51.2	6.1	42.7	NAD	NAD
Location:	Room 1140 - Brown Ceiling Tile Mastic							
02	ACTM-105B	105	0.314	51.9	2.9	45.2	NAD	NAD
Location:	Room 1140 - Brown Ceiling Tile Mastic							
03	ACTM-106A	106	0.116	48.3	11.2	38.6	Chrysotile 1.9	NA
Location:	Room 1140 - Light Brown Ceiling Tile Mastic							
04	ACTM-106B	106	0.191	47.6	6.3	46.1	NA/PS	NA
Location:	Room 1140 - Light Brown Ceiling Tile Mastic							
05	FLFR-107A	107	----	----	----	----	NAD	NA
Location:	Corridor 3040 - Gray Floor Leveling Compound							
06	FLFR-107B	107	----	----	----	----	NAD	NA
Location:	Corridor 3040 - Gray Floor Leveling Compound							
07	FLFR-108A	108	----	----	----	----	NAD	NA
Location:	Corridor 3040 - White Floor Leveling Compound							
08	FLFR-108B	108	----	----	----	----	NAD	NA
Location:	Corridor 3040 - White Floor Leveling Compound							
09	FL-109A	109	----	----	----	----	NAD	NA
Location:	Corridor 3040 & Room 3159 - Red / Brown Flooring "Cork"							
10	FL-109B	109	----	----	----	----	NAD	NA
Location:	Corridor 3040 & Room 3159 - Red / Brown Flooring "Cork"							
11	MAS-110A	110	0.174	53.4	24.1	22.4	NAD	NAD
Location:	Corridor 3040 & Room 3159 - Black Floor Mastic							
12	MAS-110B	110	0.253	14.2	40.7	45.1	NAD	NAD
Location:	Corridor 3040 & Room 3159 - Black Floor Mastic							
13	CB-111A	111	0.184	47.8	51.6	0.5	NAD	NAD
Location:	Corridor 3040 - Tan 8" Cove Base							
14	CB-111B	111	0.237	48.9	50.2	0.8	NAD	NAD
Location:	Corridor 3040 - Tan 8" Cove Base							
15	CBM-112A	112	0.225	49.8	4.0	46.2	NAD	NAD
Location:	Corridor 3040 - Beige Cove Base Mastic							
16	CBM-112B	112	0.367	25.9	53.1	21.0	NAD	NAD
Location:	Corridor 3040 - Beige Cove Base Mastic							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	LINO-113A	113	0.171	35.7	50.3	14.0	NAD	NAD
Location:	Kitchen 3116 & 3258 - Tan Pebble Linoleum Flooring							
18	LINO-113B	113	0.173	42.2	30.0	27.8	NAD	NAD
Location:	Kitchen 3116 & 3258 - Tan Pebble Linoleum Flooring							
19	SKM-114A	114	0.097	29.9	36.1	34.0	NAD	NAD
Location:	Kitchen 3116 & 3258 - White Sink Mastic							
20	SKM-114B	114	0.060	30.0	35.0	35.0	NAD	NAD
Location:	Kitchen 3116 & 3258 - White Sink Mastic							
21	SR-115A	115	----	----	----	----	NAD	NA
Location:	Kitchen 3116 & 3258 - Gray Sheetrock							
22	SR-115B	115	----	----	----	----	NAD	NA
Location:	Kitchen 3116 & 3258 - Gray Sheetrock							
23	JC-116A	116	----	----	----	----	NAD	NA
Location:	Kitchen 3116 & 3258 - White Joint Compound							
24	JC-116B	116	----	----	----	----	NAD	NA
Location:	Kitchen 3116 & 3258 - White Joint Compound							
25	PLS-117A	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
26	PLS-117B	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
27	PLS-117C	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
28	PLS-117D	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
29	PLS-117E	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
30	PLS-117F	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
31	PLS-117G	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
32	PLS-117H	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	PLS-117I	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
34	PLS-117J	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
35	PLS-117K	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
36	PLS-117L	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
37	PLS-117M	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
38	PLS-117N	117	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - White Plaster Skim Coat							
39	PLB-118A	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
40	PLB-118B	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
41	PLB-118C	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
42	PLB-118D	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
43	PLB-118E	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
44	PLB-118F	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
45	PLB-118G	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
46	PLB-118H	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
47	PLB-118I	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
48	PLB-118J	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							

See Reporting notes on last page

Table I

Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	PLB-118K	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
50	PLB-118L	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
51	PLB-118M	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
52	PLB-118N	118	----	----	----	----	NAD	NA
Location:	3rd, 4th, 5th, 6th Floors - Gray Plaster Base Coat							
53	GRT-119A	119	----	----	----	----	NAD	NA
Location:	Bathroom 3022 & 4034 - Gray Ceramic Floor Grout							
54	GRT-119B	119	----	----	----	----	NAD	NA
Location:	Bathroom 3022 & 4034 - Gray Ceramic Floor Grout							
55	VAP-120A	120	0.203	44.8	54.2	1.0	NAD	NAD
Location:	Bathroom 3022 & 4034 - Black Ceramic Floor Vapor Barrier							
56	VAP-120B	120	0.150	43.3	47.3	9.3	NAD	NAD
Location:	Bathroom 3022 & 4034 - Black Ceramic Floor Vapor Barrier							
57	THST-121A	121	----	----	----	----	NAD	NA
Location:	Bathroom 3022 & 4034 - White Ceramic Floor Thinset							
58	THST-121B	121	----	----	----	----	NAD	NA
Location:	Bathroom 3022 & 4034 - White Ceramic Floor Thinset							
59	MAS-122A	122	0.288	41.0	17.7	37.0	Chrysotile 4.3	NA
Location:	Room 3256 - Black Floor Mastic							
60	MAS-122B	122	0.209	35.9	22.5	41.6	NA/PS	NA
Location:	Room 3256 - Black Floor Mastic							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM

Analyzed by: Marik Peysakhov; Date Analyzed 12/22/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

#218123051

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
ACTM-105 A,B	Ceiling tile mastic (Brown)	Room 1140
ACTM-106 A,B	Ceiling tile mastic (Light Brown)	Room 1140
FLFR-107 A,B	Floor leveling compound (Gray)	Corridor 3040
FLFR-109 A,B	Floor leveling compound (White)	Corridor 3040
FL-109 A,B	Flooring "Cork" (Red/Brown)	Corridor 3040 & Room 3159
MAS-110 A,B	Floor mastic (Black)	Corridor 3040 & Room 3159
CB-111 A,B	4" Cove Base (Tan)	Corridor 3040
CBM-112 A,B	Cove Base mastic (Beige)	Corridor 3040
LINO-113 A,B	Linoleum Flooring Pebble (Tan)	Kitchen 3116 & 3258
SLFM-114 A,B	Slash mastic (White)	Kitchen 3116 & 3258
SR-115 A,B	Sheet Rock (Gray)	Kitchen 3116 & 3258
JC-116 A,B	Joint Compound (White)	Kitchen 3116 & 3258
PLS-117 A-N	Plaster Skim Coat (White)	3RD, 4TH, 5TH, 6TH Floors
PLB-118 A-N	Plaster Base Coat (Gray)	3RD, 4TH, 5TH, 6TH Floors
GRT-119 A,B	Ceramic Floor Grout (Gray)	Bath Room 3022 & 4034
VAP-120 A,B	Ceramic Floor Vapor Barrier (Black)	Bath Room 3022 & 4034
THST-121 A,B	Ceramic Floor Thinset (White)	Bath Room 3022 & 4034
MAS-122 A,B	Floor mastic (Black)	Room 3256

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: ~~X~~ 5DAY **Verbal To:** _____ **Phone:** _____

Sampled By:		Date:	12/19/18
Shipped By:		Date:	
Received By Lab:		Date:	12/20/18 1200
Results e-mailed By:		Date:	

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 12/21/18
Date Examined 12/22/18
ELAP # 11480
AmeriSci Job # 218123161
P.O. #
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RE: 18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLS-123A 123	218123161-01 **Location:** Lounge 3324 - Plaster Skim Coat (White)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-123B 123	218123161-02 **Location:** Lounge 3324 - Plaster Skim Coat (White)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLS-123C 123	218123161-03 **Location:** Lounge 3324 - Plaster Skim Coat (White)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PLB-124A 124	218123161-04 **Location:** Lounge 3324 - Plaster Base Coat (Gray)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-124B 124	218123161-05 **Location:** Lounge 3324 - Plaster Base Coat (Gray)	*No*	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

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PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PLB-124C 124	218123161-06 **Location:** Lounge 3324 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
DPL-125A 125	218123161-07 **Location:** Classroom 3330 - Decorative Plaster (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
DPL-125B 125	218123161-08 **Location:** Classroom 3330 - Decorative Plaster (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
DPL-125C 125	218123161-09 **Location:** Classroom 3330 - Decorative Plaster (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White/Beige, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
CPM-126A 126	218123161-10 **Location:** Classroom 3330 & Lounge 3324 - Carpet Mastic (Yellow)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 37.3 %			
CPM-126B 126	218123161-11 **Location:** Classroom 3330 & Lounge 3324 - Carpet Mastic (Yellow)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Yellow, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 32.7 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
GRT-127A 127	218123161-12 **Location:** Bathroom 3021 - Ceramic Tile Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GRT-127B 127	218123161-13 **Location:** Bathroom 3021 - Ceramic Tile Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
THST-128A 128	218123161-14 **Location:** Bathroom 3021 - Ceramic Tile Thinset (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
THST-128B 128	218123161-15 **Location:** Bathroom 3021 - Ceramic Tile Thinset (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
CBM-129A 129	218123161-16 **Location:** Tatkon Center - Wood Cove Base Mastic (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Tan/White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 28.6 %			
CBM-129B 129	218123161-17 **Location:** Tatkon Center - Wood Cove Base Mastic (Tan)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Tan/White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 27.3 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
GRT-130A 130	218123161-18 **Location:** Tatkon Center - Ceramic Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GRT-130B 130	218123161-19 **Location:** Tatkon Center - Ceramic Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
THST-131A 131	218123161-20 **Location:** Tatkon Center - Ceramic Thinset (Lt. Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Light Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
THST-131B 131	218123161-21 **Location:** Tatkon Center - Ceramic Thinset (Lt. Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Light Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
SR-132A 132	218123161-22 **Location:** Lobby 3061 & Tatkon Center - Sheetrock (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 1 %, Non-fibrous 99 %			
SR-132B 132	218123161-23 **Location:** Lobby 3061 & Tatkon Center - Sheetrock (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 2 %, Non-fibrous 98 %			

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PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
JC-133A 133	218123161-24 **Location:** Lobby 3061 & Tatkon Center - Joint Compound (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
JC-133B 133	218123161-25 **Location:** Lobby 3061 & Tatkon Center - Joint Compound (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
MAS-134A 134	218123161-26 **Location:** Lounge 3058 - Floor Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Black/Brown, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 29 %			
MAS-134B 134	218123161-27 **Location:** Lounge 3058 - Floor Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 21.2 %			
FLFR-135A 135	218123161-28 **Location:** Lounge 3058 - Floor Filler Compound (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
FLFR-135B 135	218123161-29 **Location:** Lounge 3058 - Floor Filler Compound (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

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PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FT-136A 136	218123161-30 **Location:** Corridor 3055 - 12" Floor Tile (Tan / Specks)	***Yes***	2.5 % (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 2.5 % **Other Material:** Non-fibrous 13.9 %			
FT-136B 136	218123161-31 **Location:** Corridor 3055 - 12" Floor Tile (Tan / Specks)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
FTWL-137A 137	218123161-32 **Location:** Corridor 3055 - Floor Tile Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 59.9 %			
FTWL-137B 137	218123161-33 **Location:** Corridor 3055 - Floor Tile Mastic (Black) "Insufficient Material Submitted For Preparation"		NA
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
SR-138A 138	218123161-34 **Location:** Kitchen 4465 & 6433 - Sheetrock (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: OffWhite/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10 %, Non-fibrous 90 %			
SR-138B 138	218123161-35 **Location:** Kitchen 4465 & 6433 - Sheetrock (White)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: OffWhite/Brown, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 3 %, Non-fibrous 97 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
JC-139A 139	218123161-36 **Location:** Kitchen 4465 & 6433 - Joint Compound (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
JC-139B 139	218123161-37 **Location:** Kitchen 4465 & 6433 - Joint Compound (Gray)	***No***	NAD (by NYS ELAP 198.1) by Valeriu Voicu on 12/22/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
LINO-140A 140	218123161-38 **Location:** Kitchen 6248 - Linoleum Flooring (Gray)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Grey/Beige, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 1 %, Non-fibrous 2.1 %			
LINO-140B 140	218123161-39 **Location:** Kitchen 6248 - Linoleum Flooring (Gray)	***No***	NAD (by NYS ELAP 198.6) by Valeriu Voicu on 12/22/18
Analyst Description: Grey/Beige, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 2 %, Non-fibrous 3 %			

Reporting Notes:

Analyzed by: Valeriu Voicu

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____

END OF REPORT

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	PLS-123A	123	----	----	----	----	NAD	NA
Location:	Lounge 3324 - Plaster Skim Coat (White)							
02	PLS-123B	123	----	----	----	----	NAD	NA
Location:	Lounge 3324 - Plaster Skim Coat (White)							
03	PLS-123C	123	----	----	----	----	NAD	NA
Location:	Lounge 3324 - Plaster Skim Coat (White)							
04	PLB-124A	124	----	----	----	----	NAD	NA
Location:	Lounge 3324 - Plaster Base Coat (Gray)							
05	PLB-124B	124	----	----	----	----	NAD	NA
Location:	Lounge 3324 - Plaster Base Coat (Gray)							
06	PLB-124C	124	----	----	----	----	NAD	NA
Location:	Lounge 3324 - Plaster Base Coat (Gray)							
07	DPL-125A	125	----	----	----	----	NAD	NA
Location:	Classroom 3330 - Decorative Plaster (White)							
08	DPL-125B	125	----	----	----	----	NAD	NA
Location:	Classroom 3330 - Decorative Plaster (White)							
09	DPL-125C	125	----	----	----	----	NAD	NA
Location:	Classroom 3330 - Decorative Plaster (White)							
10	CPM-126A	126	0.150	56.7	6.0	37.3	NAD	NAD
Location:	Classroom 3330 & Lounge 3324 - Carpet Mastic (Yellow)							
11	CPM-126B	126	0.159	53.5	13.8	32.7	NAD	NAD
Location:	Classroom 3330 & Lounge 3324 - Carpet Mastic (Yellow)							
12	GRT-127A	127	----	----	----	----	NAD	NA
Location:	Bathroom 3021 - Ceramic Tile Grout (Gray)							
13	GRT-127B	127	----	----	----	----	NAD	NA
Location:	Bathroom 3021 - Ceramic Tile Grout (Gray)							
14	THST-128A	128	----	----	----	----	NAD	NA
Location:	Bathroom 3021 - Ceramic Tile Thinset (White)							
15	THST-128B	128	----	----	----	----	NAD	NA
Location:	Bathroom 3021 - Ceramic Tile Thinset (White)							
16	CBM-129A	129	0.126	31.0	40.5	28.6	NAD	NAD
Location:	Tatkon Center - Wood Cove Base Mastic (Tan)							

See Reporting notes on last page

Table I

Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	CBM-129B	129	0.088	29.5	43.2	27.3	NAD	NAD
Location:	Tatkon Center - Wood Cove Base Mastic (Tan)							
18	GRT-130A	130	----	----	----	----	NAD	NA
Location:	Tatkon Center - Ceramic Grout (Gray)							
19	GRT-130B	130	----	----	----	----	NAD	NA
Location:	Tatkon Center - Ceramic Grout (Gray)							
20	THST-131A	131	----	----	----	----	NAD	NA
Location:	Tatkon Center - Ceramic Thinset (Lt. Gray)							
21	THST-131B	131	----	----	----	----	NAD	NA
Location:	Tatkon Center - Ceramic Thinset (Lt. Gray)							
22	SR-132A	132	----	----	----	----	NAD	NA
Location:	Lobby 3061 & Tatkon Center - Sheetrock (Gray)							
23	SR-132B	132	----	----	----	----	NAD	NA
Location:	Lobby 3061 & Tatkon Center - Sheetrock (Gray)							
24	JC-133A	133	----	----	----	----	NAD	NA
Location:	Lobby 3061 & Tatkon Center - Joint Compound (White)							
25	JC-133B	133	----	----	----	----	NAD	NA
Location:	Lobby 3061 & Tatkon Center - Joint Compound (White)							
26	MAS-134A	134	0.107	58.9	12.1	29.0	NAD	NAD
Location:	Lounge 3058 - Floor Mastic (Black)							
27	MAS-134B	134	0.104	64.4	14.4	21.2	NAD	NAD
Location:	Lounge 3058 - Floor Mastic (Black)							
28	FLFR-135A	135	----	----	----	----	NAD	NA
Location:	Lounge 3058 - Floor Filler Compound (Gray)							
29	FLFR-135B	135	----	----	----	----	NAD	NA
Location:	Lounge 3058 - Floor Filler Compound (Gray)							
30	FT-136A	136	0.268	24.3	59.3	13.9	Chrysotile 2.5	NA
Location:	Corridor 3055 - 12" Floor Tile (Tan / Specks)							
31	FT-136B	136	0.182	24.7	53.8	21.4	NA/PS	NA
Location:	Corridor 3055 - 12" Floor Tile (Tan / Specks)							
32	FTWL-137A	137	0.279	23.7	16.5	59.9	NAD	NAD
Location:	Corridor 3055 - Floor Tile Mastic (Black)							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	FTWL-137B	137	----	----	----	----	NA	NA
Location:	Corridor 3055 - Floor Tile Mastic (Black) "Insufficient Material Submitted For Preparation"							
34	SR-138A	138	----	----	----	----	NAD	NA
Location:	Kitchen 4465 & 6433 - Sheetrock (White)							
35	SR-138B	138	----	----	----	----	NAD	NA
Location:	Kitchen 4465 & 6433 - Sheetrock (White)							
36	JC-139A	139	----	----	----	----	NAD	NA
Location:	Kitchen 4465 & 6433 - Joint Compound (Gray)							
37	JC-139B	139	----	----	----	----	NAD	NA
Location:	Kitchen 4465 & 6433 - Joint Compound (Gray)							
38	LINO-140A	140	0.195	75.9	21.0	3.1	NAD	NAD
Location:	Kitchen 6248 - Linoleum Flooring (Gray)							
39	LINO-140B	140	0.199	70.4	24.6	5.0	NAD	NAD
Location:	Kitchen 6248 - Linoleum Flooring (Gray)							

Analyzed by: Marik Peysakhov_____; Date Analyzed 12/23/2018

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
PLS -123A,B,C	PLASTER SCRATCH COAT (WHITE)	LOUNGE 3324
PLB -124A,B,C	PLASTER BASE COAT (GRAY)	LOUNGE 3324
DPL-125A,B,C	DECORATIVE PLASTER (WHITE)	CLASSROOM 3330
CPM-126A,B	CARPET MASTIC (YELLOW)	CLASSROOM 3330 & LOUNGE 3324
GRT-127 A,B	CERAMIC TILE GROUT (GRAY)	BATHROOM 3021
THST-128 A,B	CERAMIC TILE THINSET (WHITE)	BATHROOM 3021
CBM-129 A,B	WOOD COVE BASE MASTIC (TAN)	TATKON CENTER
GRT-130 A,B	CERAMIC GROUT (GRAY)	TATKON CENTER
THST-131 A,B	CERAMIC THINSET (LT. GRAY)	TATKON CENTER
SR-132A,B	SHEET ROCK (GRAY)	LOBBY 3061 & TATKON CENTER
SC-133 A,B	JOINT COMPOUND (WHITE)	LOBBY 3021 & TATKON CENTER
MAS-134 A,B	FLOOR MASTIC (BLACK)	LOUNGE 3055
FLFL-135 A,B	FLOOR FILLER COMPOUND (GRAY)	LOUNGE 3055
FT -136 A,B	12" FLOOR TILE (TAN/SPECKS)	CORRIDOR 3055
FTM-137 A,B	FLOOR TILE MASTIC (BLACK)	CORRIDOR 3055
SR-138 A,B	SHEET ROCK (WHITE)	KITCHEN 4465 & [redacted] 6433
JC-139 A,B	JOINT COMPOUND (GRAY)	KITCHEN 4465 & [redacted] 6433
LNO-140 A,B	LINOLEUM FLOORING (GRAY)	KITCHEN 6248

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

#218123161

Sample Turnaround Time: 5DAY **Verbal To:** _____ **Phone:** _____

Sampled By:	[signature]	Date:	12/14/18
Shipped By:		Date:	
Received By Lab:	MV	Date:	12/21/18 1300
Results e-mailed By:		Date:	

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 12/21/18 **AmeriSci Job #** 218123176
Date Examined 12/23/18 **P.O. #**
ELAP # 11480 **Page** 1 **of** 11
RE: 18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
BIN-141A 141	218123176-01 **Location:** Attic Space 6461 - Blown Insulation (Gray)	*No*	NAD [1] (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Fibrous glass 95 %, Non-fibrous Trace			
BIN-141B 141	218123176-02 **Location:** Attic Space 6461 - Blown Insulation (Gray)	*No*	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 4 %, Fibrous glass 96 %, Non-fibrous Trace			
BIN-141C 141	218123176-03 **Location:** Attic Space 6461 - Blown Insulation (Gray)	*No*	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Fibrous glass 95 %, Non-fibrous Trace			
DST-142A 142	218123176-04 **Location:** Attic Space 6461 - Duct Seam Tape (White)	*No*	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.7 % **Comment:** Submitted Sample Contained Adhesive (NOB)			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
DST-142B 142	218123176-05 **Location:** Attic Space 6461 - Duct Seam Tape (White)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 1.7 % **Comment:** Submitted Sample Contained Adhesive (NOB)			
DST-142C 142	218123176-06 **Location:** Attic Space 6461 - Duct Seam Tape (White)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.4 % **Comment:** Submitted Sample Contained Adhesive (NOB)			
PB-143A 143	218123176-07 **Location:** Attic Space 6461 - Plaster Block (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 2 %, Non-fibrous 98 %			
PB-143B 143	218123176-08 **Location:** Attic Space 6461 - Plaster Block (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 3 %, Non-fibrous 97 %			
FIT-144A 144	218123176-09 **Location:** Attic Space 6461 - Pipe Fitting (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 20 %, Non-fibrous 80 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FIT-144B 144	218123176-10 **Location:** Attic Space 6461 - Pipe Fitting (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 25 %, Non-fibrous 75 %			
FIT-144C 144	218123176-11 **Location:** Attic Space 6461 - Pipe Fitting (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Fibrous glass 20 %, Non-fibrous 80 %			
PLB-145A 145	218123176-12 **Location:** Attic Space 6461 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
PLB-145B 145	218123176-13 **Location:** Attic Space 6461 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 2 %, Non-fibrous 98 %			
PLB-145C 145	218123176-14 **Location:** Attic Space 6461 - Plaster Base Coat (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
GRT-146A 146	218123176-15 **Location:** Attic Space 6461 - Plaster Block Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
GRT-146B 146	218123176-16 **Location:** Attic Space 6461 - Plaster Block Grout (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
FLFR-147A 147	218123176-17 **Location:** Corridor 5040 - Floor Leveler (Red)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Dark Red, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 57.3 % **Comment:** Submitted Sample Is NOB Material			
FLFR-147B 147	218123176-18 **Location:** Corridor 5040 - Floor Leveler (Red)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Dark Red, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 55 % **Comment:** Submitted Sample Is NOB Material			
CAN-148A 148	218123176-19 **Location:** Attic Space 5000 - Canvas Pipe Wrap (White)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 100 %, Non-fibrous Trace			
CAN-148B 148	218123176-20 **Location:** Attic Space 5000 - Canvas Pipe Wrap (White)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 100 %, Non-fibrous Trace			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
PW-149A 149	218123176-21 **Location:** Attic Space 5000 - Paper Pipe Wrap (Black)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 100 %, Non-fibrous Trace			
PW-149B 149	218123176-22 **Location:** Attic Space 5000 - Paper Pipe Wrap (Black)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Black, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 100 %, Non-fibrous Trace			
PW-150A 150	218123176-23 **Location:** Attic Space 5000 - Paper Pipe Wrap (Pink)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Pink, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 100 %, Non-fibrous Trace			
PW-150B 150	218123176-24 **Location:** Attic Space 5000 - Paper Pipe Wrap (Pink)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Pink, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 100 %, Non-fibrous Trace			
CLK-151A 151	218123176-25 **Location:** Ext. Window On 2328 - Window Caulk (White)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10.2 %			
CLK-151B 151	218123176-26 **Location:** Ext. Window On 2328 - Window Caulk (White)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.2 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
GLZ-152A 152	218123176-27 **Location:** Ext. Window On 2328 - Window Glazing Compound (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous Talc Trace, Non-fibrous 12.5 %			
GLZ-152B 152	218123176-28 **Location:** Ext. Window On 2328 - Window Glazing Compound (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous Talc Trace, Non-fibrous 7.2 %			
DEB-153A 153	218123176-29 **Location:** On Shelf In Room 1112 - Msc. Debris (White)	***No***	NAD [2] (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
DEB-153B 153	218123176-30 **Location:** On Shelf In Room 1112 - Msc. Debris (White)	***No***	NAD [2] (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: White, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
SEAL-154A 154	218123176-31 **Location:** Room 1112 - Pipe Penetration Sealant (Brown)	***Yes***	4.9 % (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile 4.9 % **Other Material:** Non-fibrous 36.7 %			
SEAL-154B 154	218123176-32 **Location:** Room 1112 - Pipe Penetration Sealant (Brown)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
GLZ-155A 155	218123176-33 **Location:** Elevator 1071 - Elevator Door Glazing Compound (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous Talc Trace, Non-fibrous 9.6 %			
GLZ-155B 155	218123176-34 **Location:** Elevator 1071 - Elevator Door Glazing Compound (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous Talc Trace, Non-fibrous 9.7 %			
FBRK-156A 156	218123176-35 **Location:** Incinerator - Fire Brick (Black/Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
FBRK-156B 156	218123176-36 **Location:** Incinerator - Fire Brick (Black/Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PAT-157A 157	218123176-37 **Location:** Incinerator - Patching Compound (Gray)	***Yes***	25 % (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Brown, Homogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 25.0 % **Other Material:** Non-fibrous 75 %			
PAT-157B 157	218123176-38 **Location:** Incinerator - Patching Compound (Gray)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
GRT-158A 158	218123176-39 **Location:** Incinerator - Fire Brick Grout (Gray)	***Yes***	0.5 % (EPA 400 PC) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 0.5 % **Other Material:** Non-fibrous 99.5 %			
GRT-158B 158	218123176-40 **Location:** Incinerator - Fire Brick Grout (Gray)	***Yes***	0.3 % (EPA 400 PC) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 0.3 % **Other Material:** Non-fibrous 99.7 %			
CLK-159A 159	218123176-41 **Location:** Stone Wall @ Main Entry - Stone Wall Caulk (Tan)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.5 %			
CLK-159B 159	218123176-42 **Location:** Stone Wall @ Main Entry - Stone Wall Caulk (Tan)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10.8 %			
THST-160A 160	218123176-43 **Location:** Under Stone Steps - Stone Patch Thinset (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
THST-160B 160	218123176-44 **Location:** Under Stone Steps - Stone Patch Thinset (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TDP-161A 161	218123176-45 **Location:** Exterior Drain To Underground - Transite Drain Pipe (Gray)	***Yes***	16.7 % (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Fibrous, Cementitious, Bulk Material **Asbestos Types:** Chrysotile 16.7 % **Other Material:** Non-fibrous 83.3 %			
TDP-161B 161	218123176-46 **Location:** Exterior Drain To Underground - Transite Drain Pipe (Gray)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
PL-162A 162	218123176-47 **Location:** Exterior Soffit @ 2049 Entry & 2052 - Soffit Plaster (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PL-162B 162	218123176-48 **Location:** Exterior Soffit @ 2049 Entry & 2052 - Soffit Plaster (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
PL-162C 162	218123176-49 **Location:** Exterior Soffit @ 2049 Entry & 2052 - Soffit Plaster (Gray)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Grey/White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
CLK-163A 163	218123176-50 **Location:** Exterior Courtyard - Stone Railing Caulk (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 13 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CLK-163B 163	218123176-51 **Location:** Exterior Courtyard - Stone Railing Caulk (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 16.3 %			
COAT-164A 164	218123176-52 **Location:** Ext. Wall By Stairwell 3010 - Ext. Wall Coating (Tan)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Brown/Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
COAT-164B 164	218123176-53 **Location:** Ext. Wall By Stairwell 3010 - Ext. Wall Coating (Tan)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Brown/Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Cellulose Trace, Non-fibrous 100 %			
COAT-164C 164	218123176-54 **Location:** Ext. Wall By Stairwell 3010 - Ext. Wall Coating (Tan)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: Brown/Grey, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
CLK-165A 165	218123176-55 **Location:** T. Entry - Wood Seam Caulk (Yellow/Tan)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.8 %			
CLK-165B 165	218123176-56 **Location:** T. Entry - Wood Seam Caulk (Yellow/Tan)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Yellow/Tan, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.9 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CLK-166A 166	218123176-57 **Location:** Door @ 2411 & 2057 - Door Caulk (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 10.1 %			
CLK-166B 166	218123176-58 **Location:** Door @ 2411 & 2057 - Door Caulk (Gray)	***No***	NAD (by NYS ELAP 198.6) by Bo Sun on 12/23/18
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 9.2 %			
FLFR-167A 167	218123176-59 **Location:** Apt. 2335 - Floor Leveler (White)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			
FLFR-167B 167	218123176-60 **Location:** Apt. 2335 - Floor Leveler (White)	***No***	NAD (by NYS ELAP 198.1) by Bo Sun on 12/23/18
Analyst Description: White, Homogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100 %			

Reporting Notes:

(1) This job was - Analyzed using Motic BA310 Pol Scope S/N 1190000538

(2) Analysis Results For Soil, Dust, Or Debris May Be Highly Variable Because Of The Heterogeneous Nature Of These Samples

Analyzed by: Bo Sun Bo Sun

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____ END OF REPORT

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	BIN-141A	141	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Blown Insulation (Gray)							
02	BIN-141B	141	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Blown Insulation (Gray)							
03	BIN-141C	141	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Blown Insulation (Gray)							
04	DST-142A	142	0.298	65.4	24.8	9.7	NAD	NAD
Location:	Attic Space 6461 - Duct Seam Tape (White)							
05	DST-142B	142	0.060	63.3	35.0	1.7	NAD	NAD
Location:	Attic Space 6461 - Duct Seam Tape (White)							
06	DST-142C	142	0.164	68.9	28.7	2.4	NAD	NAD
Location:	Attic Space 6461 - Duct Seam Tape (White)							
07	PB-143A	143	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Plaster Block (Gray)							
08	PB-143B	143	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Plaster Block (Gray)							
09	FIT-144A	144	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Pipe Fitting (Gray)							
10	FIT-144B	144	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Pipe Fitting (Gray)							
11	FIT-144C	144	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Pipe Fitting (Gray)							
12	PLB-145A	145	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Plaster Base Coat (Gray)							
13	PLB-145B	145	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Plaster Base Coat (Gray)							
14	PLB-145C	145	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Plaster Base Coat (Gray)							
15	GRT-146A	146	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Plaster Block Grout (Gray)							
16	GRT-146B	146	----	----	----	----	NAD	NA
Location:	Attic Space 6461 - Plaster Block Grout (Gray)							

See Reporting notes on last page

Table I

Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	FLFR-147A	147	0.171	36.3	6.4	57.3	NAD	NAD
Location:	Corridor 5040 - Floor Leveler (Red)							
18	FLFR-147B	147	0.149	39.6	5.4	55.0	NAD	NAD
Location:	Corridor 5040 - Floor Leveler (Red)							
19	CAN-148A	148	----	----	----	----	NAD	NA
Location:	Attic Space 5000 - Canvas Pipe Wrap (White)							
20	CAN-148B	148	----	----	----	----	NAD	NA
Location:	Attic Space 5000 - Canvas Pipe Wrap (White)							
21	PW-149A	149	----	----	----	----	NAD	NA
Location:	Attic Space 5000 - Paper Pipe Wrap (Black)							
22	PW-149B	149	----	----	----	----	NAD	NA
Location:	Attic Space 5000 - Paper Pipe Wrap (Black)							
23	PW-150A	150	----	----	----	----	NAD	NA
Location:	Attic Space 5000 - Paper Pipe Wrap (Pink)							
24	PW-150B	150	----	----	----	----	NAD	NA
Location:	Attic Space 5000 - Paper Pipe Wrap (Pink)							
25	CLK-151A	151	0.205	15.1	74.6	10.2	NAD	NAD
Location:	Ext. Window On 2328 - Window Caulk (White)							
26	CLK-151B	151	0.293	10.6	82.3	7.2	NAD	NAD
Location:	Ext. Window On 2328 - Window Caulk (White)							
27	GLZ-152A	152	0.369	14.1	73.4	12.3	NAD	Anthophyllite <1.0
Location:	Ext. Window On 2328 - Window Glazing Compound (Gray)							
28	GLZ-152B	152	0.291	11.3	81.4	7.0	NAD	Anthophyllite <1.0
Location:	Ext. Window On 2328 - Window Glazing Compound (Gray)							
29	DEB-153A	153	----	----	----	----	NAD	NA
Location:	On Shelf In Room 1112 - Msc. Debris (White)							
30	DEB-153B	153	----	----	----	----	NAD	NA
Location:	On Shelf In Room 1112 - Msc. Debris (White)							
31	SEAL-154A	154	0.161	39.8	18.6	36.7	Chrysotile 4.9	NA
Location:	Room 1112 - Pipe Penetration Sealant (Brown)							
32	SEAL-154B	154	0.208	41.3	18.8	39.9	NA/PS	NA
Location:	Room 1112 - Pipe Penetration Sealant (Brown)							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	GLZ-155A	155	0.218	9.2	81.2	9.4	NAD	Anthophyllite <1.0
Location:	Elevator 1071 - Elevator Door Glazing Compound (Gray)							
34	GLZ-155B	155	0.216	7.9	82.4	9.5	NAD	Anthophyllite <1.0
Location:	Elevator 1071 - Elevator Door Glazing Compound (Gray)							
35	FBRK-156A	156	----	----	----	----	NAD	NA
Location:	Incinerator - Fire Brick (Black/Gray)							
36	FBRK-156B	156	----	----	----	----	NAD	NA
Location:	Incinerator - Fire Brick (Black/Gray)							
37	PAT-157A	157	----	----	----	----	Chrysotile 25.0	NA
Location:	Incinerator - Patching Compound (Gray)							
38	PAT-157B	157	----	----	----	----	NA/PS	NA
Location:	Incinerator - Patching Compound (Gray)							
39	GRT-158A	158	----	----	----	----	Chrysotile 0.5	NA
Location:	Incinerator - Fire Brick Grout (Gray)							
40	GRT-158B	158	----	----	----	----	Chrysotile 0.3	NA
Location:	Incinerator - Fire Brick Grout (Gray)							
41	CLK-159A	159	0.168	67.9	22.6	9.5	NAD	NAD
Location:	Stone Wall @ Main Entry - Stone Wall Caulk (Tan)							
42	CLK-159B	159	0.167	67.7	21.6	10.8	NAD	NAD
Location:	Stone Wall @ Main Entry - Stone Wall Caulk (Tan)							
43	THST-160A	160	----	----	----	----	NAD	NA
Location:	Under Stone Steps - Stone Patch Thinset (Gray)							
44	THST-160B	160	----	----	----	----	NAD	NA
Location:	Under Stone Steps - Stone Patch Thinset (Gray)							
45	TDP-161A	161	----	----	----	----	Chrysotile 16.7	NA
Location:	Exterior Drain To Underground - Transite Drain Pipe (Gray)							
46	TDP-161B	161	----	----	----	----	NA/PS	NA
Location:	Exterior Drain To Underground - Transite Drain Pipe (Gray)							
47	PL-162A	162	----	----	----	----	NAD	NA
Location:	Exterior Soffit @ 2049 Entry & 2052 - Soffit Plaster (Gray)							
48	PL-162B	162	----	----	----	----	NAD	NA
Location:	Exterior Soffit @ 2049 Entry & 2052 - Soffit Plaster (Gray)							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
49	PL-162C	162	----	----	----	----	NAD	NA
Location:	Exterior Soffit @ 2049 Entry & 2052 - Soffit Plaster (Gray)							
50	CLK-163A	163	0.193	69.9	17.1	13.0	NAD	NAD
Location:	Exterior Courtyard - Stone Railing Caulk (Gray)							
51	CLK-163B	163	0.129	68.2	15.5	16.3	NAD	NAD
Location:	Exterior Courtyard - Stone Railing Caulk (Gray)							
52	COAT-164A	164	----	----	----	----	NAD	NA
Location:	Ext. Wall By Stairwell 3010 - Ext. Wall Coating (Tan)							
53	COAT-164B	164	----	----	----	----	NAD	NA
Location:	Ext. Wall By Stairwell 3010 - Ext. Wall Coating (Tan)							
54	COAT-164C	164	----	----	----	----	NAD	NA
Location:	Ext. Wall By Stairwell 3010 - Ext. Wall Coating (Tan)							
55	CLK-165A	165	0.255	18.0	74.1	7.8	NAD	NAD
Location:	T. Entry - Wood Seam Caulk (Yellow/Tan)							
56	CLK-165B	165	0.136	39.0	58.1	2.9	NAD	NAD
Location:	T. Entry - Wood Seam Caulk (Yellow/Tan)							
57	CLK-166A	166	0.169	68.6	21.3	10.1	NAD	NAD
Location:	Door @ 2411 & 2057 - Door Caulk (Gray)							
58	CLK-166B	166	0.131	69.5	21.4	9.2	NAD	NAD
Location:	Door @ 2411 & 2057 - Door Caulk (Gray)							
59	FLFR-167A	167	----	----	----	----	NAD	NA
Location:	Apt. 2335 - Floor Leveler (White)							
60	FLFR-167B	167	----	----	----	----	NAD	NA
Location:	Apt. 2335 - Floor Leveler (White)							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall, 600 Thurston Ave., Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM

Analyzed by: Khaalid W. Perine_____; Date Analyzed 12/27/2018

**Quantitative Analysis (Semi/Full): Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

#218123176

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
BIN-141 A,B,C	BLOWN INSULATION (GRAY)	ATTIC SPACE 6461
DST-142 A,B,C	DUCT SEAM TAPE (WHITE)	ATTIC SPACE 6461
PB-143 A,B	PLASTER BLOCK (GRAY)	ATTIC SPACE 6461
FIT-144 A,B,C	PIPE FITTING (GRAY)	ATTIC SPACE 6461
PLB-145 A,B,C	PLASTER BASE COAT (GRAY)	ATTIC SPACE 6461
GRT-146 A,B	PLASTER BLOCK GROUT (GRAY)	ATTIC SPACE 6461
FLFR-147 A,B	FLOOR LEVELER (RED)	~~ATTIC SPACE~~ COLLAPSE 5340
CWN-148 A,B	CANVAS PIPE WRAP (WHITE)	ATTIC SPACE 5000
PW-149 A,B	PAPER PIPE WRAP (BLACK)	ATTIC SPACE 5000
PW-150 A,B	PAPER PIPE WRAP (PINK)	ATTIC SPACE 5000
CLK-151 A,B	WINDOW CAULK (WHITE)	EXT. WINDOW ON 2325 ℄
GLZ-152 A,B	WINDOW GLAZING COMPOUND (GRAY)	EXT. WINDOW ON 2325 ℄
DEB-153 A,B	MISC DEBRIS (WHITE)	ON SHELF IN ROOM 1117
SEAL-154 A,B	~~FIRE~~ FIRE PENETRATION SEALANT (BROWN)	ROOM 1117
GLZ-155 A,B	ELEVATOR DOOR GLAZING COMPOUND (GRAY)	ELEVATOR 1071
FBRK-156 A,B	FIRE BRICK (BLACK/GRAY)	INCINERATOR
PAT-157 A,B	PATCHING COMPOUND (GRAY)	INCINERATOR
GRT-158 A,B	FIRE BRICK GROUT (GRAY)	INCINERATOR

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: 5 DAY **Verbal To:** — **Phone:** —

Sampled By:		Date:	12/20/18
Shipped By:		Date:	
Received By Lab:		Date:	12/21/18 1250
Results e-mailed By:		Date:	12/27/18 0845

#218123176

AECC
ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Chain of Custody

Project No. 18-237
Client Goody Clancy
Address **Cornell University – Balch Hall**
600 Thurston Ave
Ithaca, New York

AECC Contact: Bryan Bowers
Office Phone: 315-432-9400
Office Fax: 315-432-9405
E-mail: labdata@aeccgroup.com

Sample ID	Material Description	Sample Location
CLK-159A,B	Stone wall caulk (TAN)	Stone wall @ main entry
THST-160A,B	Stone path thinset (gray)	Under stone steps
TDP-161A,B	Transite drain pipe (gray)	Exterior drain to underground
PL-162A,B,C	Soffit plaster (gray)	Exterior soffit @2049 entry & 2052
CLK-163A,B	Stone railing caulk (gray)	Exterior courtyard
Caulk-164A,B,C	Ext. wall glazing (tan)	Ext. wall by stairwell 3010
CLK-165A,B	Wood seam caulk (yellow/tan)	Tatkon entry
CLK-166A,B	Door caulk (gray)	Door @ 2411 & 2057
FLFR-167A,B	Floor leveler (white)	APT 2335

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: 5 DAY Verbal To: —— Phone: ——

Sampled By:	[signature]	Date:	12/20/18
Shipped By:		Date:	
Received By Lab:	[signature]	Date:	12/21/18 1250
Results e-mailed By:	[signature]	Date:	12/27/18 0645

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 01/09/19 **AmeriSci Job #** 219011606
Date Examined 01/09/19 **P.O. #**
ELAP # 11480 **Page** 1 **of** 5
RE: 18-237; Goody Clancy; Cornell University - Balch Hall: 600 Thurston Ave, Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FIT-168A 168	219011606-01 **Location:** Hallway 6043 - In Wall Chase - Pipe Fitting Insulation (Gray)	***Yes***	12.9 % [1] (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 12.9 % **Other Material:** Non-fibrous 87.1 %			
FIT-168B 168	219011606-02 **Location:** Hallway 6043 - In Wall Chase - Pipe Fitting Insulation (Gray)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
FIT-168C 168	219011606-03 **Location:** Hallway 6043 - In Wall Chase - Pipe Fitting Insulation (Gray)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
TSI-169A 169	219011606-04 **Location:** Hallway 6043 - In Wall Chase - Roller Paper Pipe Insulation (Black / Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90 %, Synthetic fibers Trace, Non-fibrous 10 %			
TSI-169B 169	219011606-05 **Location:** Hallway 6043 - In Wall Chase - Roller Paper Pipe Insulation (Black / Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90 %, Synthetic fibers Trace, Non-fibrous 10 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall: 600 Thurston Ave, Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
TSI-169C 169	219011606-06 **Location:** Hallway 6043 - In Wall Chase - Roller Paper Pipe Insulation (Black / Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 90 %, Synthetic fibers Trace, Non-fibrous 10 %			
CFM-170A 170	219011606-07 **Location:** Room 6465 & Room 6416 - Cork Floor Mastic (Dark Brown)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 61.7 %			
CFM-170B 170	219011606-08 **Location:** Room 6465 & Room 6416 - Cork Floor Mastic (Dark Brown)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Dark Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 59.3 %			
FL-171A 171	219011606-09 **Location:** Hallway 6043 - Flooring Material (Brown)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 62.7 %			
FL-171B 171	219011606-10 **Location:** Hallway 6043 - Flooring Material (Brown)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Black/Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 69.8 %			
CFM-172A 172	219011606-11 **Location:** Room 6465 & 6434 - Cork Floor Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 41.5 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall: 600 Thurston Ave, Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
CFM-172B 172	219011606-12 **Location:** Room 6465 & 6434 - Cork Floor Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.8 %			
CFM-173A 173	219011606-13 **Location:** Room 5468 - Cork Floor Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 42.9 %			
CFM-173B 173	219011606-14 **Location:** Room 5468 - Cork Floor Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43.5 %			
FIT-174A 174	219011606-15 **Location:** Bathroom 5036 - Fitting On Fiberglass (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 15 %, Non-fibrous 85 %			
FIT-174B 174	219011606-16 **Location:** Bathroom 5036 - Fitting On Fiberglass (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 15 %, Non-fibrous 85 %			
FIT-174C 174	219011606-17 **Location:** Bathroom 5036 - Fitting On Fiberglass (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 15 %, Non-fibrous 85 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall: 600 Thurston Ave, Ithaca, New York

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FIT175-A 175	219011606-18 **Location:** Bathroom 5034 - Fitting On Fiberglass (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 15 %, Non-fibrous 85 %			
FIT-175B 175	219011606-19 **Location:** Bathroom 5034 - Fitting On Fiberglass (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 15 %, Non-fibrous 85 %			
FIT-175C 175	219011606-20 **Location:** Bathroom 5034 - Fitting On Fiberglass (Gray)	***No***	NAD (by NYS ELAP 198.1) by Jared C. Clarke on 01/09/19
Analyst Description: Grey, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 15 %, Non-fibrous 85 %			
CFM-176A 176	219011606-21 **Location:** Room 5275 & 5276 - Cork Floor Mastic (Brown)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 49.1 %			
CFM-176B 176	219011606-22 **Location:** Room 5275 & 5276 - Cork Floor Mastic (Brown)	***No***	NAD (by NYS ELAP 198.6) by Jared C. Clarke on 01/09/19
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 43 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall: 600
Thurston Ave, Ithaca, New York

Reporting Notes:

(1) This job was - Analyzed using Motic BA310 Pol Scope S/N 1190000326

Analyzed by: Jared C. Clarke

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By:_____ _____END OF REPORT_____

Client Name: Asbestos & Environmental Consulting Corp.

Table I

Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall: 600 Thurston Ave, Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	FIT-168A	168	----	----	----	----	Chrysotile 12.9	NA
Location:	Hallway 6043 - In Wall Chase - Pipe Fitting Insulation (Gray)							
02	FIT-168B	168	----	----	----	----	NA/PS	NA
Location:	Hallway 6043 - In Wall Chase - Pipe Fitting Insulation (Gray)							
03	FIT-168C	168	----	----	----	----	NA/PS	NA
Location:	Hallway 6043 - In Wall Chase - Pipe Fitting Insulation (Gray)							
04	TSI-169A	169	----	----	----	----	NAD	NA
Location:	Hallway 6043 - In Wall Chase - Roller Paper Pipe Insulation (Black / Gray)							
05	TSI-169B	169	----	----	----	----	NAD	NA
Location:	Hallway 6043 - In Wall Chase - Roller Paper Pipe Insulation (Black / Gray)							
06	TSI-169C	169	----	----	----	----	NAD	NA
Location:	Hallway 6043 - In Wall Chase - Roller Paper Pipe Insulation (Black / Gray)							
07	CFM-170A	170	0.162	16.7	21.6	61.7	NAD	NAD
Location:	Room 6465 & Room 6416 - Cork Floor Mastic (Dark Brown)							
08	CFM-170B	170	0.182	14.3	26.4	59.3	NAD	NAD
Location:	Room 6465 & Room 6416 - Cork Floor Mastic (Dark Brown)							
09	FL-171A	171	0.225	19.6	17.8	62.7	NAD	NAD
Location:	Hallway 6043 - Flooring Material (Brown)							
10	FL-171B	171	0.371	8.4	21.8	69.7	NAD	Chrysotile Trace
Location:	Hallway 6043 - Flooring Material (Brown)							
11	CFM-172A	172	0.378	29.4	29.1	41.5	NAD	NAD
Location:	Room 6465 & 6434 - Cork Floor Mastic (Black)							
12	CFM-172B	172	0.260	25.0	31.2	43.8	NAD	NAD
Location:	Room 6465 & 6434 - Cork Floor Mastic (Black)							
13	CFM-173A	173	0.280	21.8	35.4	42.9	NAD	NAD
Location:	Room 5468 - Cork Floor Mastic (Black)							
14	CFM-173B	173	0.214	26.6	29.9	43.5	NAD	NAD
Location:	Room 5468 - Cork Floor Mastic (Black)							
15	FIT-174A	174	----	----	----	----	NAD	NA
Location:	Bathroom 5036 - Fitting On Fiberglass (Gray)							
16	FIT-174B	174	----	----	----	----	NAD	NA
Location:	Bathroom 5036 - Fitting On Fiberglass (Gray)							

See Reporting notes on last page

AmeriSci Job #: **219011606**

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall: 600 Thurston Ave, Ithaca, New York

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	FIT-174C	174	----	----	----	----	NAD	NA
Location:	Bathroom 5036 - Fitting On Fiberglass (Gray)							
18	FIT175-A	175	----	----	----	----	NAD	NA
Location:	Bathroom 5034 - Fitting On Fiberglass (Gray)							
19	FIT-175B	175	----	----	----	----	NAD	NA
Location:	Bathroom 5034 - Fitting On Fiberglass (Gray)							
20	FIT-175C	175	----	----	----	----	NAD	NA
Location:	Bathroom 5034 - Fitting On Fiberglass (Gray)							
21	CFM-176A	176	0.159	34.0	17.0	49.1	NAD	NAD
Location:	Room 5275 & 5276 - Cork Floor Mastic (Brown)							
22	CFM-176B	176	0.207	50.2	6.8	43.0	NAD	NAD
Location:	Room 5275 & 5276 - Cork Floor Mastic (Brown)							

Analyzed by: Karol H. Lu_____: Date Analyzed 1/9/2019

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses): NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:_____

AECC
ENVIRONMENTAL CONSULTING

#2190116O6

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
FIT-168 A,B,C	PIPE FITTING INSULATION (GRAY)	HALLWAY 6043 - IN WALL CHASE
TSI-169 A,B,C	ROLLED PAPER PIPE INSULATION (BLACK/GRAY)	HALLWAY 6043 - IN WALL CHASE
CFM-170 A,B	CORK FLOOR MASTIC (DARK BROWN)	ROOM 6465 & ROOM 6416
FL-171 A,B	FLOORING MATERIAL (BROWN)	HALLWAY 6043
CFM-172 A,B	CORK FLOOR MASTIC (BLACK)	ROOM 6465 & 6434
CFM-173 A,B	Cork floor Mastic (BLACK)	Room 5468 +
FIT-174 A,B,C	FITTING ON FIBERGLASS (GRAY)	BATHROOM 5036
FIT-175 A,B,C	FITTING ON FIBERGLASS (GRAY)	BATHROOM 5034
CFM-176 A,B	Cork floor mastic (Brown)	ROOM 5275 & 5276

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: IMMEDIATE * PLEASE HAVE RESULTS BY NOON **Verbal To:** (315) 720-5662 ~~Phone:~~

Sampled By:	[signature]	Date:	1/7/19
Shipped By:		Date:	
Received By Lab:	[signature]	Date:	1/9/19 745
Results e-mailed By:	[signature]	Date:	1/09/19

AmeriSci New York
117 EAST 30TH ST.
NEW YORK, NY 10016
TEL: (212) 679-8600 • FAX: (212) 679-3114

PLM Bulk Asbestos Report

Asbestos & Environmental Consulting C
Attn: Bryan Bowers
6308 Fly Road

East Syracuse, NY 13057

Date Received 01/11/19 **AmeriSci Job #** 219011973
Date Examined 01/13/19 **P.O. #**
ELAP # 11480 **Page** 1 **of** 5
RE: 18-237; Goody Clancy; Cornell University - Balch Hall; 600 Thurston Ave., Ithaca, New York (Report Amended 1/21/2019)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FD-177A 177	219011973-01 **Location:** Room 1122 - Fire Door Insulation (White)	*No*	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Fibrous glass Trace, Non-fibrous 95 %			
FD-177B 177	219011973-02 **Location:** Room 1122 - Fire Door Insulation (White)	*No*	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Fibrous glass Trace, Non-fibrous 95 %			
FD-177C 177	219011973-03 **Location:** Room 1122 - Fire Door Insulation (White)	*No*	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20 %, Fibrous glass Trace, Non-fibrous 80 %			
FD-178A 178	219011973-04 **Location:** Room 1138 - Fire Door Insulation (White)	*No*	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10 %, Non-fibrous 90 %			
FD-178B 178	219011973-05 **Location:** Room 1138 - Fire Door Insulation (White)	*No*	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10 %, Fibrous glass Trace, Non-fibrous 90 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall; 600 Thurston Ave., Ithaca, New York (Report Amended 1/21/2019)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FD-178C 178	219011973-06 **Location:** Room 1138 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20 %, Fibrous glass Trace, Non-fibrous 80 %			
FD-179A 179	219011973-07 **Location:** Corridor 1001 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
FD-179B 179	219011973-08 **Location:** Corridor 1001 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
FD-179C 179	219011973-09 **Location:** Corridor 1001 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: Brown, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 95 %, Non-fibrous 5 %			
FD-180A 180	219011973-10 **Location:** Room 2420 & 2418 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10 %, Fibrous glass Trace, Non-fibrous 90 %			
FD-180B 180	219011973-11 **Location:** Room 2420 & 2418 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 5 %, Non-fibrous 95 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall; 600 Thurston Ave., Ithaca, New York (Report Amended 1/21/2019)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FD-180C 180	219011973-12 **Location:** Room 2420 & 2418 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 15 %, Fibrous glass Trace, Non-fibrous 85 %			
FD-181A 181	219011973-13 **Location:** Stairwell 2007 - Fire Door Insulation (White)	***Yes***	18.2 % (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** Chrysotile 18.2 % **Other Material:** Cellulose Trace, Non-fibrous 81.8 %			
FD-181B 181	219011973-14 **Location:** Stairwell 2007 - Fire Door Insulation (White)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
FD-181C 181	219011973-15 **Location:** Stairwell 2007 - Fire Door Insulation (White)		NA/PS
Analyst Description: Bulk Material **Asbestos Types:** **Other Material:**			
FD-182A 182	219011973-16 **Location:** Corridor 2056 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 35 %, Non-fibrous 65 %			
FD-182B 182	219011973-17 **Location:** Corridor 2056 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 10 %, Fibrous glass Trace, Non-fibrous 90 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall; 600 Thurston Ave., Ithaca, New York (Report Amended 1/21/2019)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FD-182C 182	219011973-18 **Location:** Corridor 2056 - Fire Door Insulation (White)	***No***	NAD (by NYS ELAP 198.1) by Karol H. Lu on 01/13/19
Analyst Description: White, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 20 %, Fibrous glass Trace, Non-fibrous 80 %			
CPM-183A 183	219011973-19 **Location:** Office 2351 & 2339 - Carpet Mastic (Yellow/Black)	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 01/13/19
Analyst Description: Tan/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38.4 %			
CPM-183B 183	219011973-20 **Location:** Office 2351 & 2339 - Carpet Mastic (Yellow/Black)	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 01/13/19
Analyst Description: Tan/Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 38.5 %			
CFM-184A 184	219011973-21 **Location:** Room 3432 & Room 3442 - Conn Floor Mastic (Black)	***Yes***	Trace (<0.25 % pc) [1] (EPA 400 PC) by Karol H. Lu on 01/13/19
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** Chrysotile <0.25 % pc **Other Material:** Non-fibrous 15.1 %			
CFM-184B 184	219011973-22 **Location:** Room 3432 & Room 3442 - Conn Floor Mastic (Black)	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 01/13/19
Analyst Description: Black, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 2.8 %			
FL-185A 185	219011973-23 **Location:** Room 3438 - Flooring with Twine (Brown)	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 01/13/19
Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 7.4 %			

See Reporting notes on last page

PLM Bulk Asbestos Report

18-237; Goody Clancy; Cornell University - Balch Hall; 600 Thurston Ave., Ithaca, New York (Report Amended 1/21/2019)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
FL-185B 185	219011973-24 **Location:** Room 3438 - Flooring with Twine (Brown)	***No***	NAD (by NYS ELAP 198.6) by Karol H. Lu on 01/13/19

Analyst Description: Brown, Homogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 8.1 %

Reporting Notes:

(1) Sample prepared for analysis by ELAP 198.6 method

Analyzed by: Karol H. Lu

*NAD/NSD =no asbestos detected; NA =not analyzed; NA/PS=not analyzed/positive stop, (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; PLM Bulk Asbestos Analysis by Appd E to Subpt E, 40 CFR 763 (NVLAP 200546-0), ELAP PLM Method 198.1 for NY friable samples, which includes the identification and quantitation of vermiculite or 198.6 for NOB samples or EPA 400 pt ct by Appd E to Subpt E, 40 CFR 763 (NY ELAP Lab 11480); Note:PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non asbestos-containing in NY State (also see EPA Advisory for floor tile, FR 59,146,38970,8/1/94) National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the lab.This PLM report relates ONLY to the items tested. AIHA-LAP, LLC Lab ID 102843, RI Cert AAL-094, CT Cert PH-0186, Mass Cert AA000054.

Reviewed By: _____ END OF REPORT

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall; 600 Thurston Ave., Ithaca, New York (Report Amended 1/21/2019)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	FD-177A	177	---	---	---	---	NAD	NA
Location:	Room 1122 - Fire Door Insulation (White)							
02	FD-177B	177	---	---	---	---	NAD	NA
Location:	Room 1122 - Fire Door Insulation (White)							
03	FD-177C	177	---	---	---	---	NAD	NA
Location:	Room 1122 - Fire Door Insulation (White)							
04	FD-178A	178	---	---	---	---	NAD	NA
Location:	Room 1138 - Fire Door Insulation (White)							
05	FD-178B	178	---	---	---	---	NAD	NA
Location:	Room 1138 - Fire Door Insulation (White)							
06	FD-178C	178	---	---	---	---	NAD	NA
Location:	Room 1138 - Fire Door Insulation (White)							
07	FD-179A	179	---	---	---	---	NAD	NA
Location:	Corridor 1001 - Fire Door Insulation (White)							
08	FD-179B	179	---	---	---	---	NAD	NA
Location:	Corridor 1001 - Fire Door Insulation (White)							
09	FD-179C	179	---	---	---	---	NAD	NA
Location:	Corridor 1001 - Fire Door Insulation (White)							
10	FD-180A	180	---	---	---	---	NAD	NA
Location:	Room 2420 & 2418 - Fire Door Insulation (White)							
11	FD-180B	180	---	---	---	---	NAD	NA
Location:	Room 2420 & 2418 - Fire Door Insulation (White)							
12	FD-180C	180	---	---	---	---	NAD	NA
Location:	Room 2420 & 2418 - Fire Door Insulation (White)							
13	FD-181A	181	---	---	---	---	Chrysotile 18.2	NA
Location:	Stairwell 2007 - Fire Door Insulation (White)							
14	FD-181B	181	---	---	---	---	NA/PS	NA
Location:	Stairwell 2007 - Fire Door Insulation (White)							
15	FD-181C	181	---	---	---	---	NA/PS	NA
Location:	Stairwell 2007 - Fire Door Insulation (White)							
16	FD-182A	182	---	---	---	---	NAD	NA
Location:	Corridor 2056 - Fire Door Insulation (White)							

See Reporting notes on last page

Client Name: Asbestos & Environmental Consulting Corp.

Table I
Summary of Bulk Asbestos Analysis Results

18-237; Goody Clancy; Cornell University - Balch Hall; 600 Thurston Ave., Ithaca, New York (Report Amended 1/21/2019)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	FD-182B	182	---	---	---	---	NAD	NA
Location:	Corridor 2056 - Fire Door Insulation (White)							
18	FD-182C	182	---	---	---	---	NAD	NA
Location:	Corridor 2056 - Fire Door Insulation (White)							
19	CPM-183A	183	0.289	37.7	23.9	38.4	NAD	NAD
Location:	Office 2351 & 2339 - Carpet Mastic (Yellow/Black)							
20	CPM-183B	183	0.156	34.0	27.6	38.5	NAD	NAD
Location:	Office 2351 & 2339 - Carpet Mastic (Yellow/Black)							
21	CFM-184A	184	0.251	66.9	17.9	15.0	Chrysotile <0.25	Chrysotile Trace
Location:	Room 3432 & Room 3442 - Conn Floor Mastic (Black)							
22	CFM-184B	184	0.108	71.3	25.9	2.8	NAD	NAD
Location:	Room 3432 & Room 3442 - Conn Floor Mastic (Black)							
23	FL-185A	185	0.163	85.9	6.7	7.4	NAD	NAD
Location:	Room 3438 - Flooring with Twine (Brown)							
24	FL-185B	185	0.222	87.4	4.5	8.1	NAD	NAD
Location:	Room 3438 - Flooring with Twine (Brown)							

Analyzed by: Marik Peysakhov Marik Peysakhov Date Analyzed 1/14/2019

**Quantitative Analysis (Semi/Full); Bulk Asbestos Analysis - PLM by Appd E to Subpt E, 40 CFR 763 or ELAP 198.1 for New York friable samples or ELAP 198.6 for New York NOB samples; TEM (Semi/Full) by EPA 600/R-93/116 (or ELAP 198.4; for New York samples; NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Trace = <1%; (SOF-V) = Sprayed On Fireproofing containing Vermiculite; (SM-V) = Surfacing Material containing Vermiculite; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "NVA = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses). NVLAP (PLM) 200546-0, NYSDOH ELAP Lab 11480, AIHA-LAP, LLC (PLM) Lab ID 102843.

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogenous materials).

Reviewed By:

AECC
ENVIRONMENTAL CONSULTING

Asbestos Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
FD-177 A,B,C	FIRE DOOR INSULATION (WHITE)	ROOM 1122
FD-178 A,B,C	FIRE DOOR INSULATION (WHITE)	ROOM 1138
FD-179 A,B,C	FIRE DOOR PAPER INS. (BROWN)	CORRIDOR 1001
FD-180 A,B,C	FIRE DOOR INSULATION (WHITE)	ROOM 2420 & 2418
FD-181 A,B,C	FIRE DOOR INSULATION (WHITE)	STAIRWELL 2007
FD-182 A,B,C	FIRE DOOR INSULATION (WHITE)	CORRIDOR 2056
CM-183 A,B	CARPET MASTIC (YELLOW/BLACK)	OFFICE 2351 & 2339
FM-184 A,B	CORK FLOOR MASTIC (BLACK)	ROOM 3432 & ROOM 3442
FL-185 A,B	FLOORING WITH THANE (BROWN)	ROOM 3438
		#2 9011973

Analyzing Sequence:
1 - Separate layers/mastics for individual analysis, if applicable.
2 - Determine method of analysis for PLM (198.1 or 198.6).
3 - If the PLM NOB result is equal to or greater than 1% asbestos, testing of material is complete. If the PLM NOB result is less than 1% asbestos, please analyze utilizing TEM.
4 - If submitted in series (A, B, C), please stop at first positive.
5 - Report results as % Asbestos via e-mail.

Sample Turnaround Time: 3 DAY **Verbal To:** _____ **Phone:** _____

Sampled By:	[signature]	Date:	1/10/18
Shipped By:		Date:	
Received By Lab:	[signature]	Date:	1/11/19 12:01
Results e-mailed By:		Date:	

ATTACHMENT C

EcoSpect Lead Based Paint Inspection Report

EcoSpect

working for a cleaner, healthier environment

Lead-Based Paint XRF Testing Report

Prepared for:
Asbestos and Environmental Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

Project:
Balch Hall
Balch Drive
Ithaca, NY 14850

Conducted by:
Daryl Heffron
LBP-R-121052-1

EcoSpect, Inc.
5785 Route 96
PO Box 25
Romulus, NY 14541

January 17, 2019

EcoSpect

working for a cleaner, healthier environment

January 17, 2019

Asbestos & Environmental Consulting Corporation
6308 Fly Rd
East Syracuse, NY 13057

Re: Balch Hall
Ithaca, NY 14850
XRF Results

Dear Mr. Randy Arnold:

On January 9, 2019, EcoSpect, Inc. conducted representative testing for the presence of lead-based paint, as directed by Asbestos & Environmental Consulting Corporation, at the above captioned location.

The instruments were operated with the guidance from the Performance Characteristics Sheets published by the US Department of HUD and the results classified as positive or negative based the HUD action level of 1.00 mg/cm². Results less than 1.00 mg/cm² are considered negative and results greater than 1.00 mg/cm² are considered positive. For renovation purposes, as well as OSHA implications, it should be noted the lead present in levels less than 1.00 mg/cm² could generate dust that exceeds acceptable levels depending on the renovation or demolition being performed. For OSHA purposes, there are no accepted standards other than "zero" for lead content in surfaces that are affected so as to release lead in the form of dust. XRF readings at the lower end of the range (close to zero) are less likely to create toxic situations. XRF readings with negative prefixes correlate to very low lead levels in that particular surface. For conclusive, task-oriented results, contractors should follow all applicable OSHA requirements found in regulation 1926.62.

The walls in each space oriented in a clockwise fashion, with wall #1 oriented to the front of the building. Please refer to the building plans for clarification. An "NA" indicates that the room was not accessible during testing, and "NP" indicates that there were no painted surfaces within that space. During the testing procedures, EcoSpect personnel were able to gain access to the designated spaces and tested all of the selected rooms that were requested.

Summary of Positive Findings

Balch Hall:

Positive test results for the presence of lead-based paint in concentrations equal to or greater than 1.00 mg/cm² are:

CERAMIC: **Wall (8)**

SHEETROCK: **Wall (6)**

STEEL: **Access Door (1) Baluster (4) Baseboard (1) Ceiling (2) Door (5) Door Molding (41) Elevator Door Molding (1) Elevator Equipment (2) Grate (1) I-Beam Ceiling (1) Newel Post (4) Radiator (58) Riser (5) Sink (1) Stringer (5) Structural Steel (1) Window Sash (117)**

WOOD: **Baseboard (3) Chair Rail (5) Door Molding (2) Window Sash (4)**

If you have any questions regarding this report, please feel free to give us a call at any time.

Sincerely Yours,

Daryl Heffron
EcoSpect, Inc.

Summary

EcoSpect, Inc
PO Box 25, Romulus, NY 14541

Customer: AECC
6308 Fly Rd, E Syracuse, NY 13057

Project: Balch Hall,
Balch Drive, Ithaca, NY 14850

Summary Analysis						
Comp	Component	Number Tested	Number Pos (%)	Number Neg (%)	Lab Tested	Lab Pos (%)
1	Access Door	6	1 (17%)	5 (83%)	0	0 (0%)
2	Baluster	7	4 (57%)	3 (43%)	0	0 (0%)
3	Baseboard	72	4 (6%)	68 (94%)	0	0 (0%)
4	Ceiling	92	2 (2%)	90 (98%)	0	0 (0%)
5	Ceiling Grid	1	0 (0%)	1 (100%)	0	0 (0%)
6	Ceiling Molding	1	0 (0%)	1 (100%)	0	0 (0%)
7	Chair Rail	9	5 (56%)	4 (44%)	0	0 (0%)
8	Door	25	5 (20%)	20 (80%)	0	0 (0%)
9	Door Molding	213	43 (20%)	170 (80%)	0	0 (0%)
10	Elevator Door	1	0 (0%)	1 (100%)	0	0 (0%)
11	Elevator Door Molding	1	1 (100%)	0 (0%)	0	0 (0%)
12	Elevator Equipment	2	2 (100%)	0 (0%)	0	0 (0%)
13	Fire Extinguisher Case	2	0 (0%)	2 (100%)	0	0 (0%)
14	Fire Place	2	0 (0%)	2 (100%)	0	0 (0%)
15	Floor	19	0 (0%)	19 (100%)	0	0 (0%)
16	Grate	18	1 (6%)	17 (94%)	0	0 (0%)
17	I-Beam Ceiling	1	1 (100%)	0 (0%)	0	0 (0%)
18	Ladder	1	0 (0%)	1 (100%)	0	0 (0%)
19	Newel Post	5	4 (80%)	1 (20%)	0	0 (0%)
20	Pipe	7	0 (0%)	7 (100%)	0	0 (0%)
21	Radiator	125	58 (46%)	67 (54%)	0	0 (0%)
22	Railing	1	0 (0%)	1 (100%)	0	0 (0%)
23	Riser	6	5 (83%)	1 (17%)	0	0 (0%)
24	Sink	3	1 (33%)	2 (67%)	0	0 (0%)
25	Stair Tread	1	0 (0%)	1 (100%)	0	0 (0%)
26	Stringer	5	5 (100%)	0 (0%)	0	0 (0%)
27	Structural Steel	1	1 (100%)	0 (0%)	0	0 (0%)
28	Support Post	1	0 (0%)	1 (100%)	0	0 (0%)
29	Wall	527	14 (3%)	513 (97%)	0	0 (0%)
30	Wall Molding	1	0 (0%)	1 (100%)	0	0 (0%)
31	Window Molding	149	0 (0%)	149 (100%)	0	0 (0%)
32	Window Sash	151	121 (80%)	30 (20%)	0	0 (0%)

Daily Calibrations

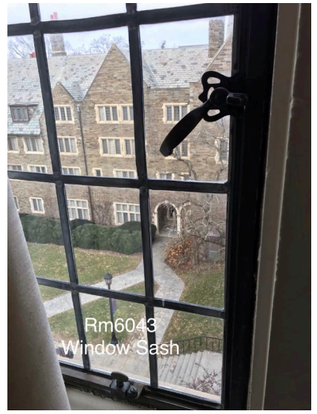
EcoSpect, Inc
5785 Route 96, PO Box 25, Romulus NY 14541

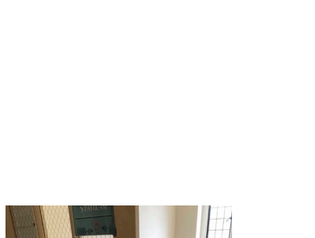
#	Date	Time	Type	NomSecs	mg/cm2
1	1/9/2019	13:55:18	Calibration	2	0.8
1	1/9/2019	13:55:36	Calibration	2	0.9
1	1/9/2019	13:55:52	Calibration	2	0.9
2	1/9/2019	13:56:10	Calibration	1	0.9
2	1/9/2019	13:56:35	Calibration	2	1
2	1/9/2019	13:58:15	Calibration	2	0.9
3	1/9/2019	13:58:32	Calibration	2	0.9
3	1/9/2019	13:58:49	Calibration	2	1
3	1/9/2019	13:59:09	Calibration	1	1
280	1/9/2019	14:00:46	Calibration	2	0.9
281	1/9/2019	14:02:12	Calibration	2	1
295	1/9/2019	14:02:34	Calibration	2	1
296	1/9/2019	14:02:46	Calibration	2	1
330	1/9/2019	14:03:12	Calibration	2	1
331	1/9/2019	14:03:30	Calibration	2	0.9
396	1/9/2019	14:03:50	Calibration	2	
467	1/9/2019	14:04:12	Calibration	1	0.9
611	1/9/2019	14:09:26	Calibration	5	0.8

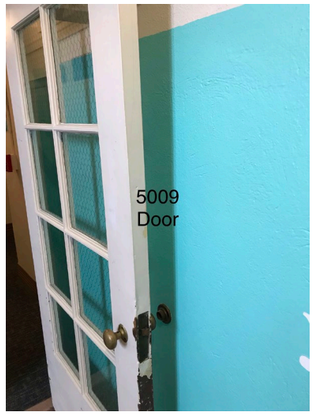
Confirmed Positives Component Types

Confirmed Positive Component Types

Balch Hall, Balch Drive, Ithaca, NY 14850

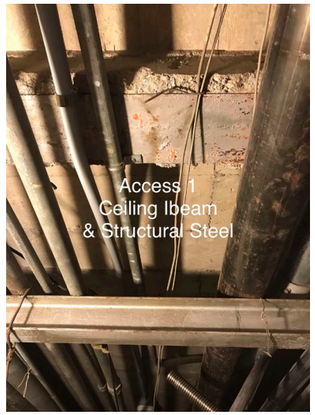







5032
Wall


5032
Access Door


Access 1
Ceiling Ibeam
& Structural Steel


1227
Window Sash


1226
Elevator Equipment


1045
Elevator door
& Molding


1041
Baseboard


1020
Wall


1140
Baseboard

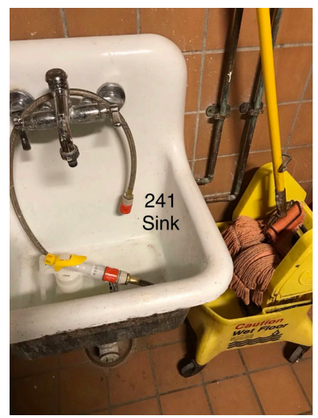

2127
Door Mldg
& Door

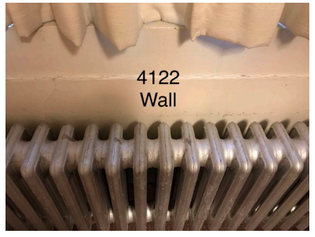

2022
Wall


2223
Chair Rail


2024
Wall


2425
Sash


241
Sink


4122
Wall

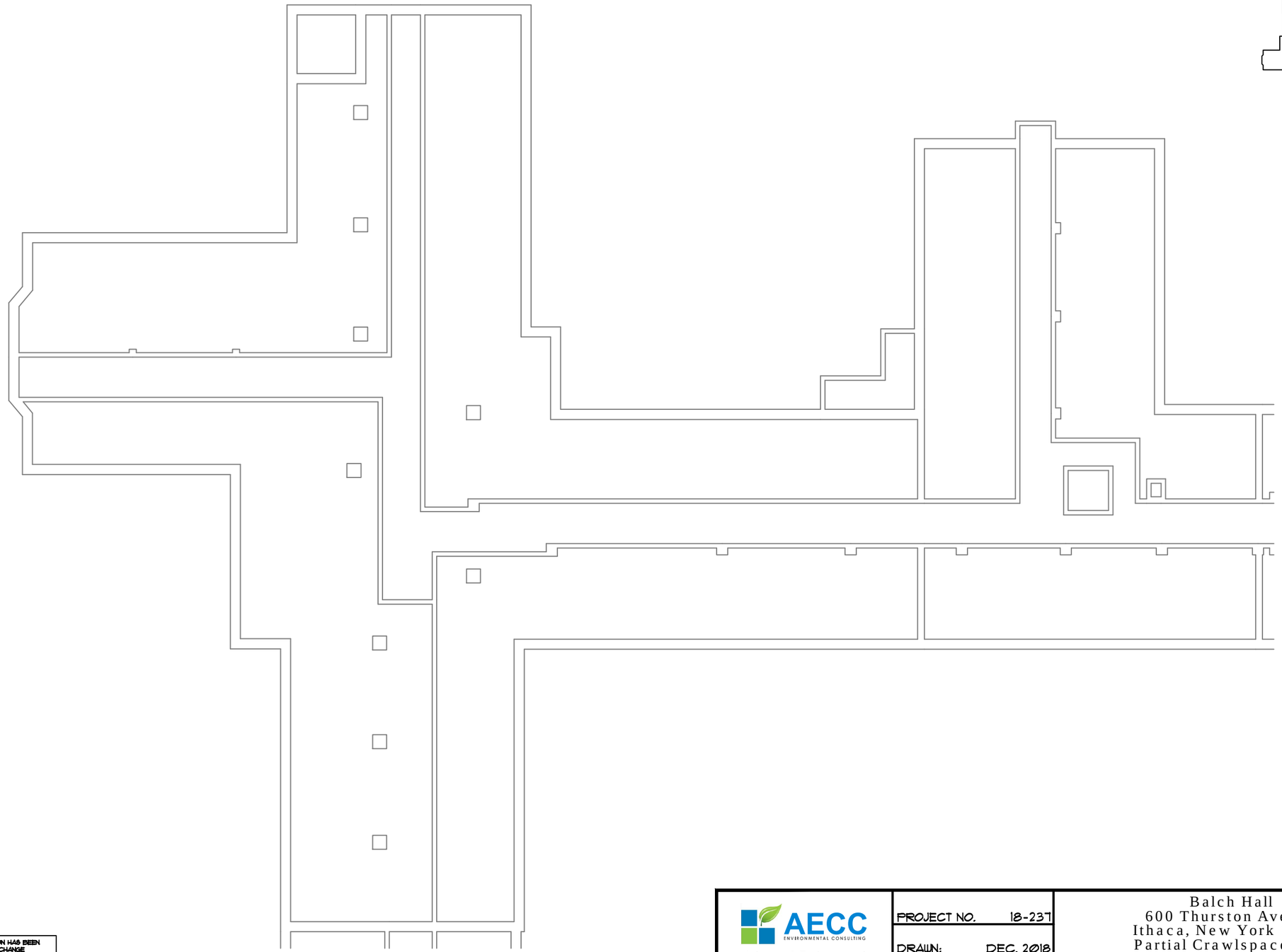

4147
Wall

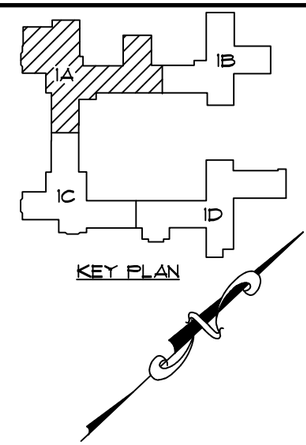

3263
Baseboard


3263
Door


3270
Grate

Site Plans





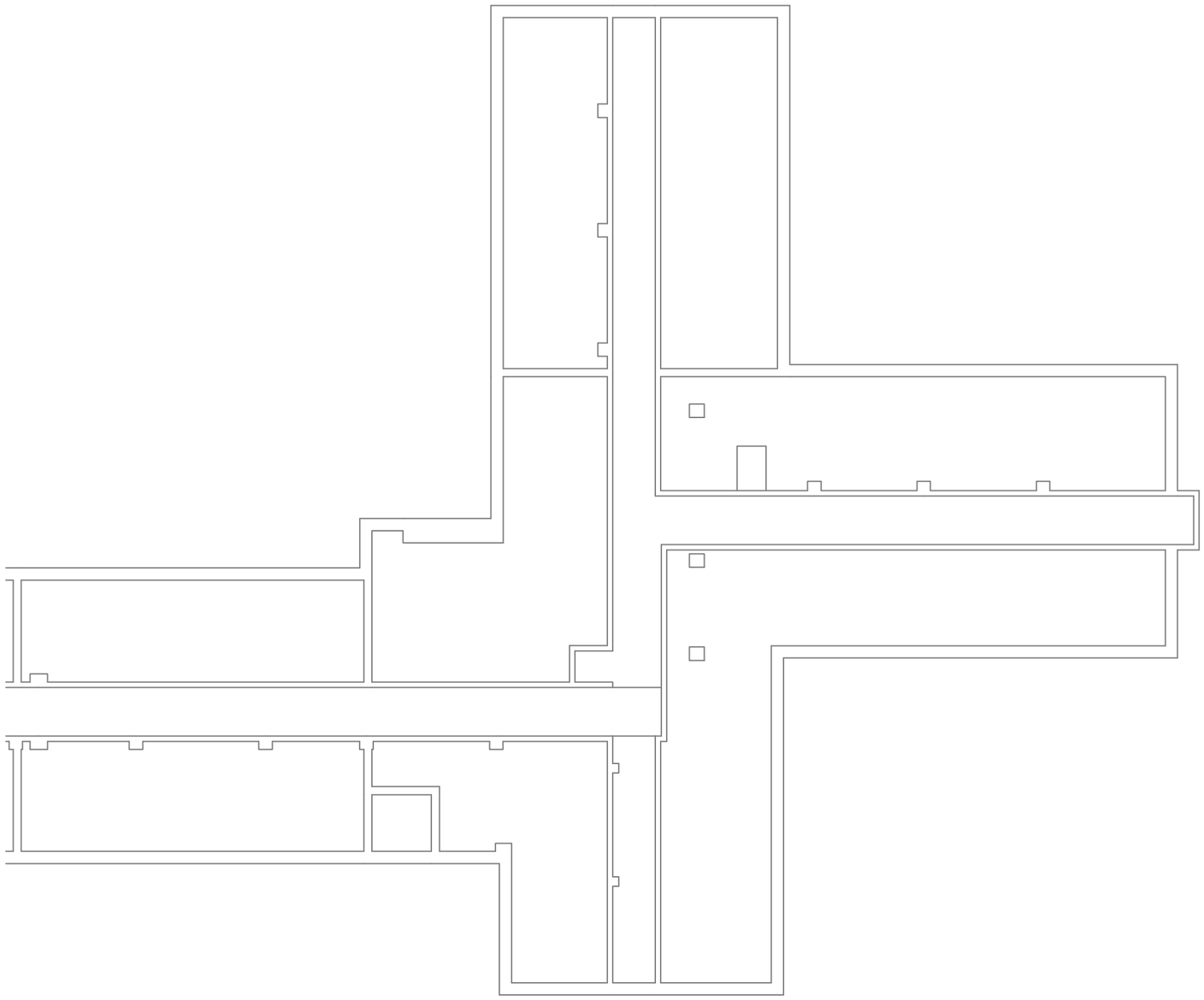
AECC
ENVIRONMENTAL CONSULTING
Asbestos & Environmental Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

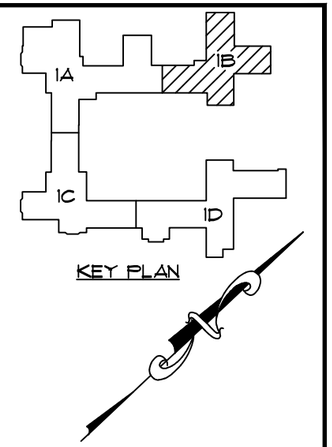
PROJECT NO.	18-237
DRAWN:	DEC. 2018
DRAWN BY:	HS
CHECKED BY:	BB

Balch Hall
600 Thurston Avenue
Ithaca, New York 14850
Partial Crawlspace Plan

Lead-Based Paint XRF Testing Report

FIGURE
1A





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6308 Fly Road
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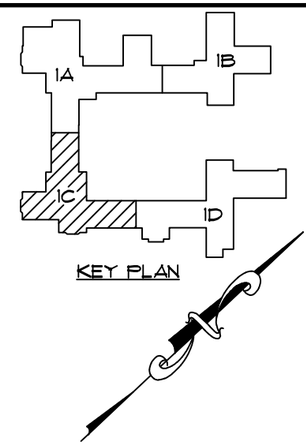
Balch Hall
600 Thurston Avenue
Ithaca, New York 14850
Partial Crawlspace Plan

Lead-Based Paint XRF Testing Report

FIGURE
1B



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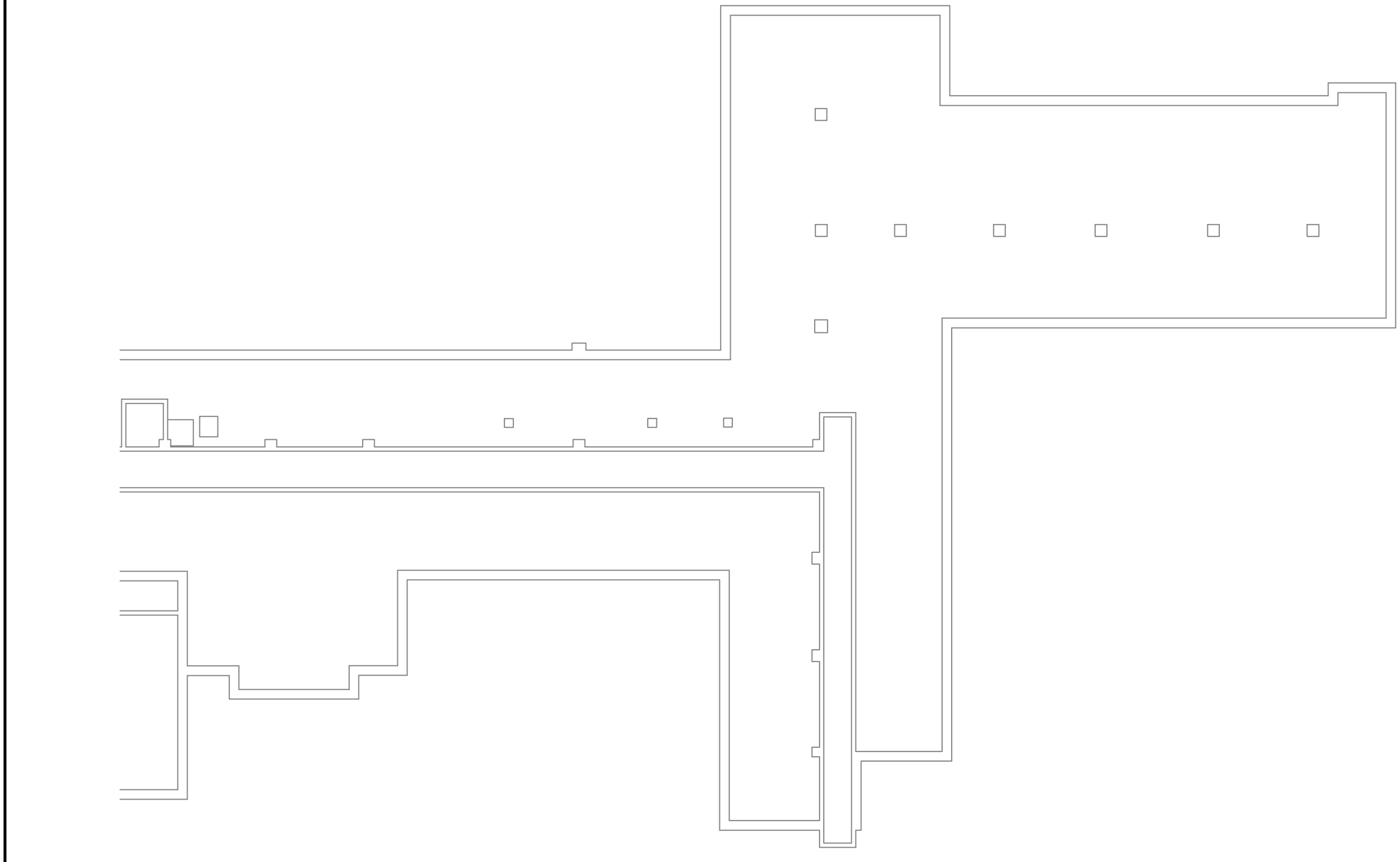
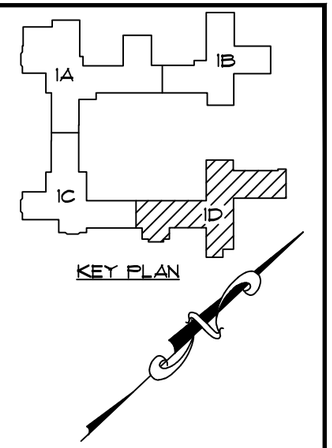
Balch Hall
600 Thurston Avenue
Ithaca, New York 14850
Partial Crawlspace Plan

Lead-Based Paint XRF Testing Report

FIGURE
1C





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6308 Fly Road
East Syracuse, NY 13057

PROJECT NO.	18-237
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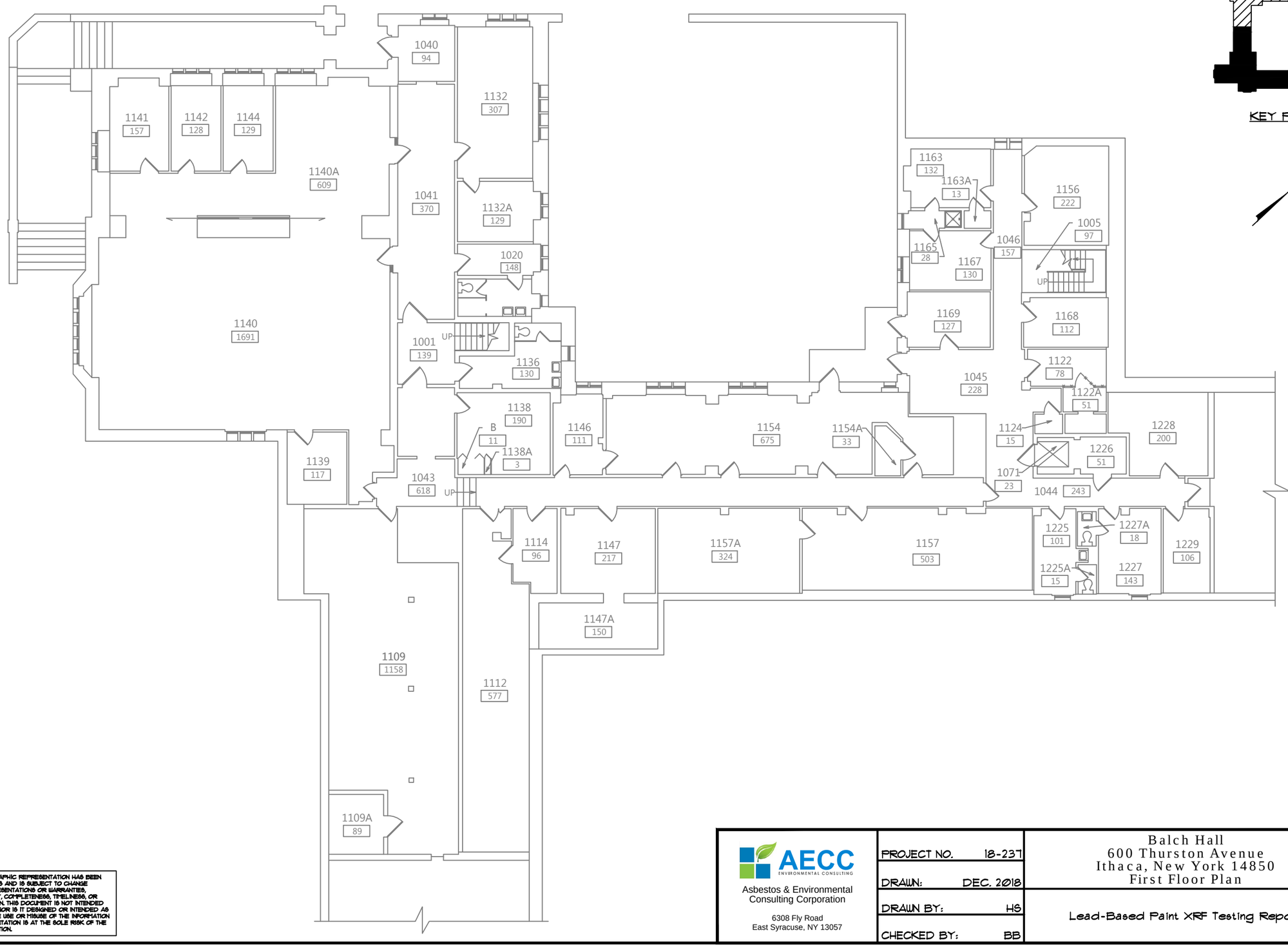
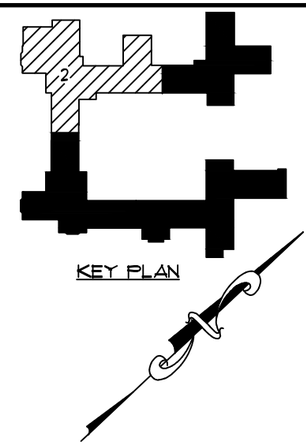
Balch Hall
600 Thurston Avenue
Ithaca, New York 14850
Partial Crawlspace Plan

Lead-Based Paint XRF Testing Report

FIGURE
1D





AECC
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Asbestos & Environmental Consulting Corporation
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East Syracuse, NY 13057

PROJECT NO.	18-237
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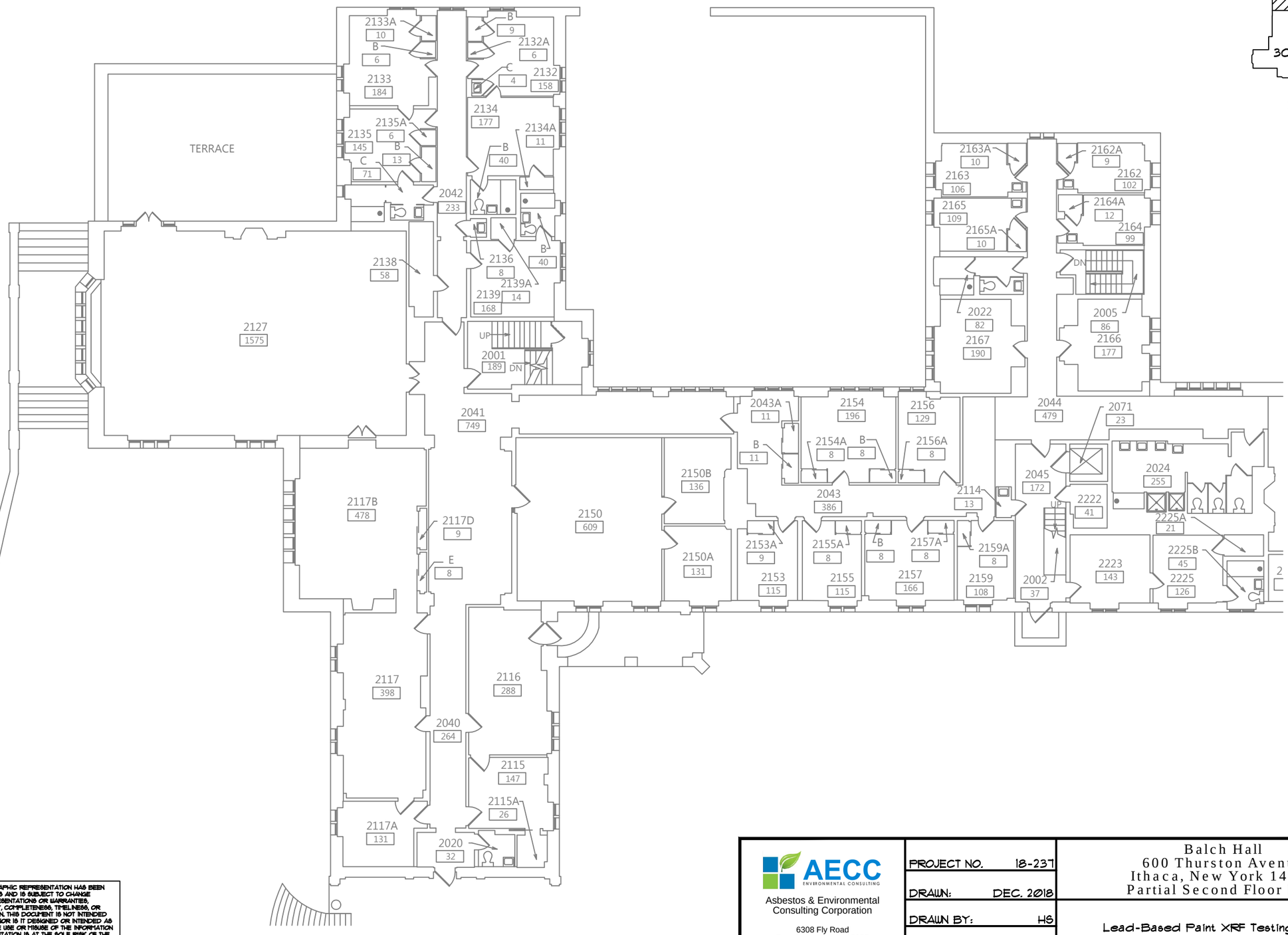
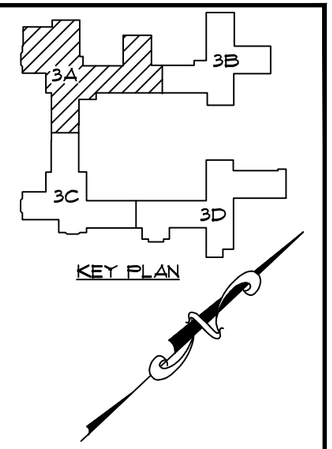
CHECKED BY:	BB

Balch Hall
600 Thurston Avenue
Ithaca, New York 14850
First Floor Plan

Lead-Based Paint XRF Testing Report

FIGURE
2





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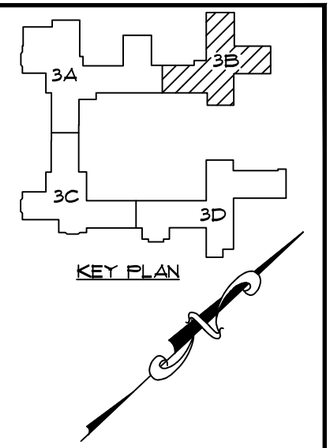
Balch Hall
600 Thurston Avenue
Ithaca, New York 14850
Partial Second Floor Plan

Lead-Based Paint XRF Testing Report

FIGURE
3A



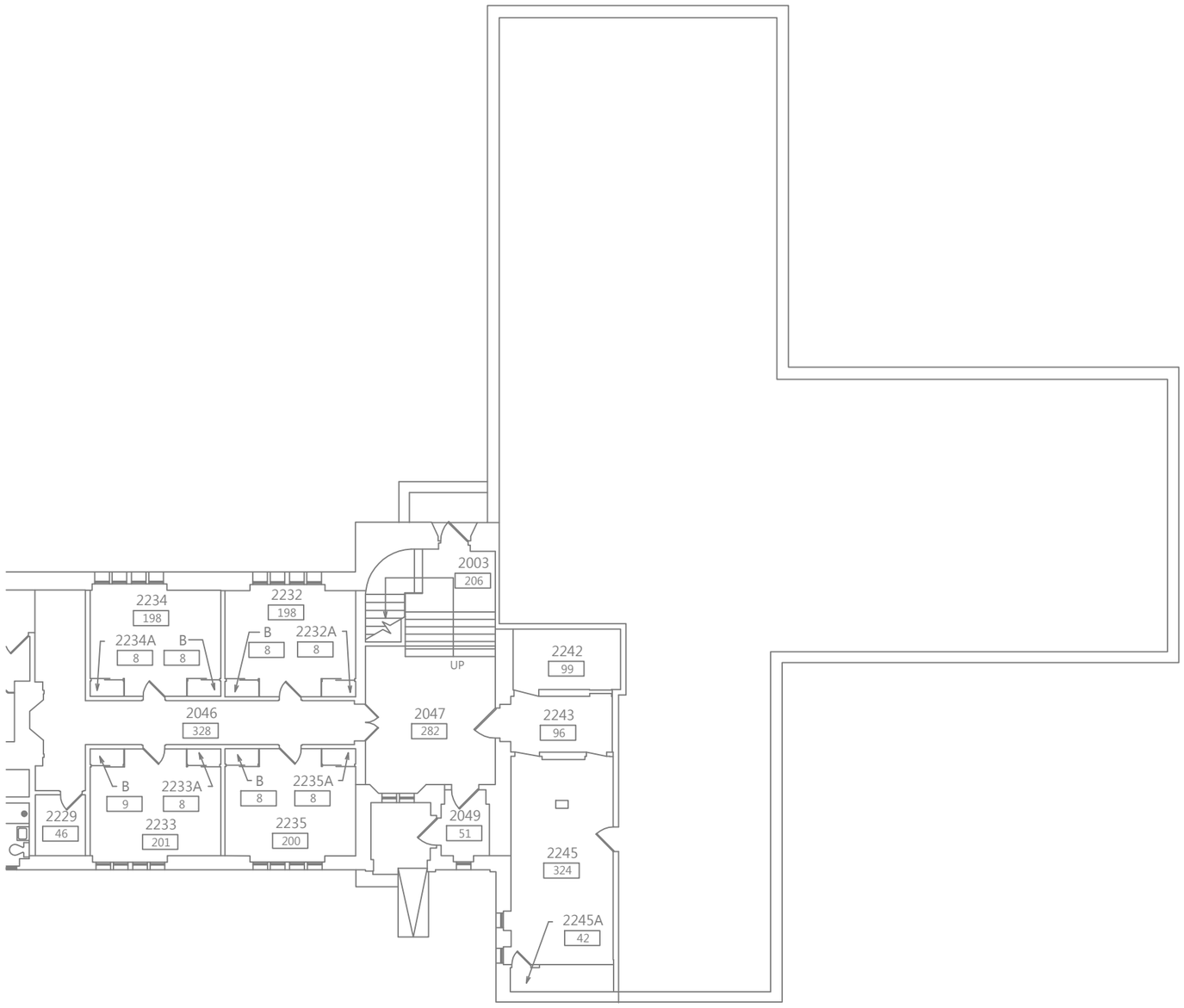


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FIGURE
3B

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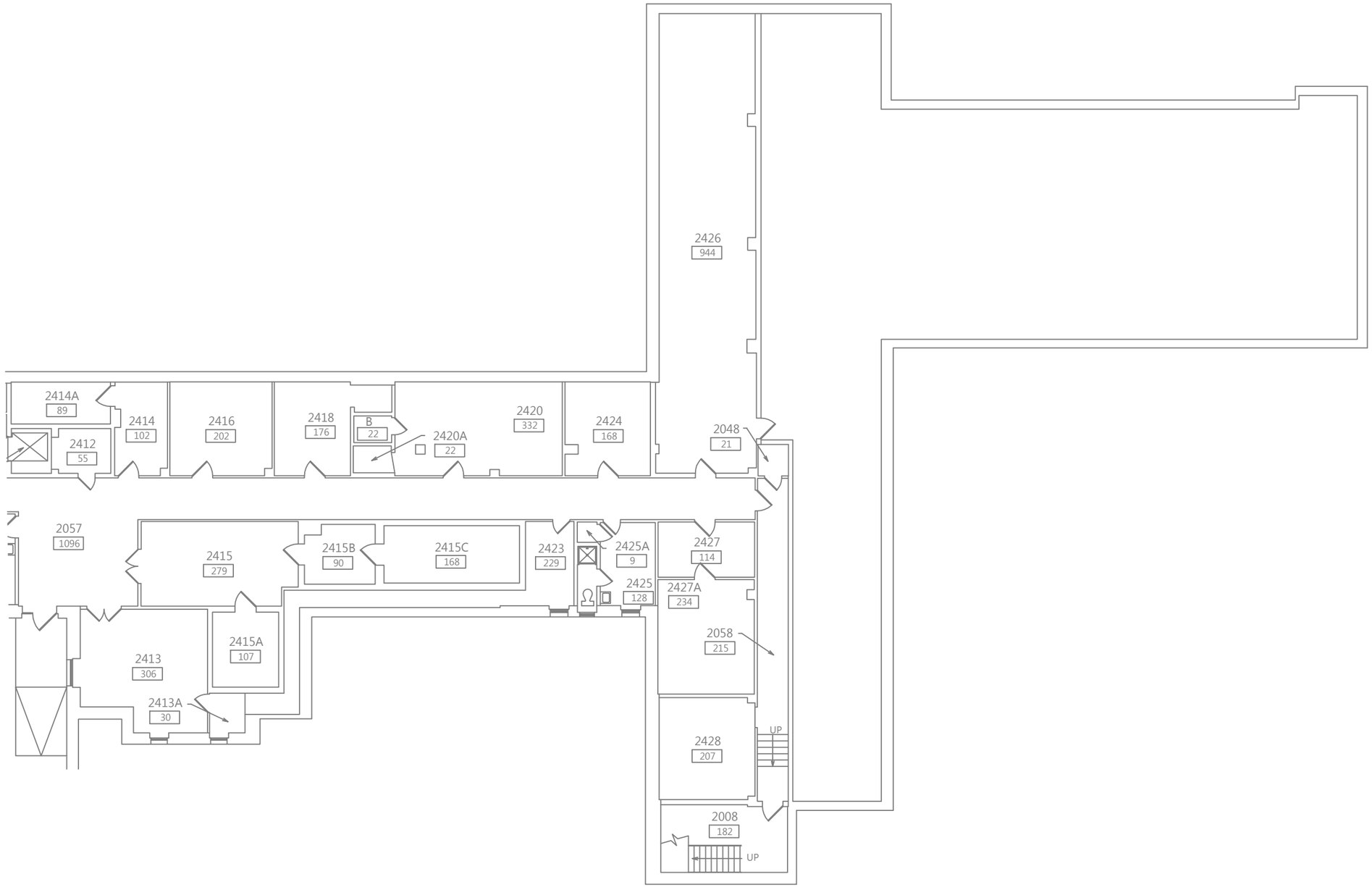
FIGURE
3C



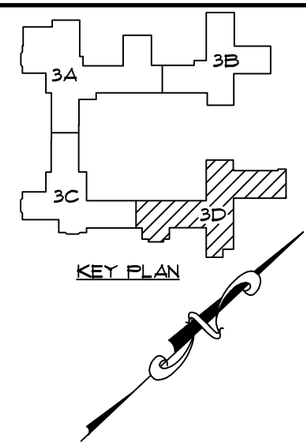


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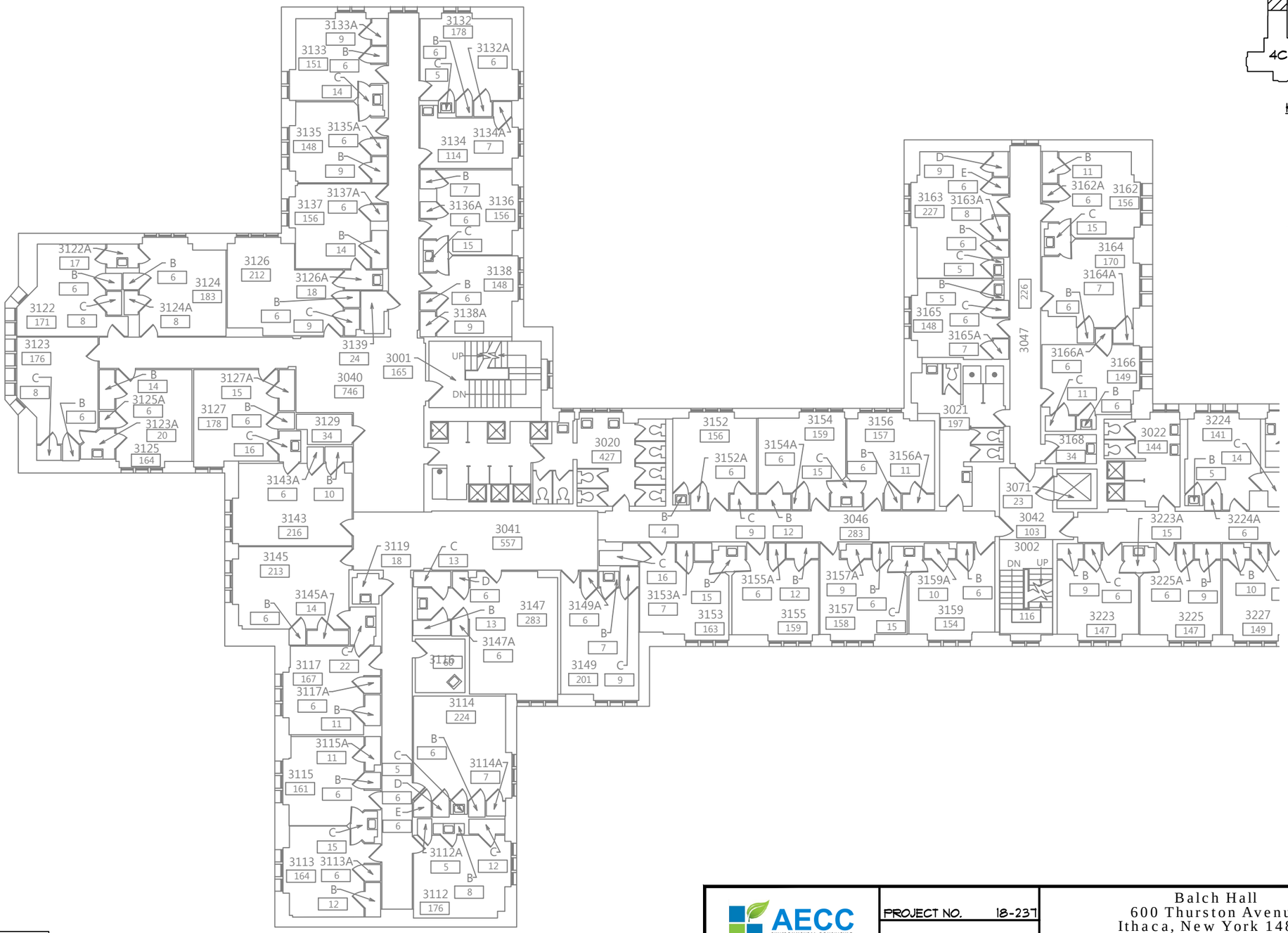
FIGURE
3D



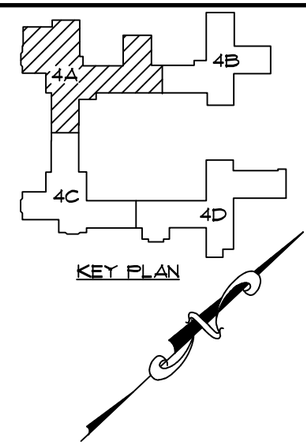


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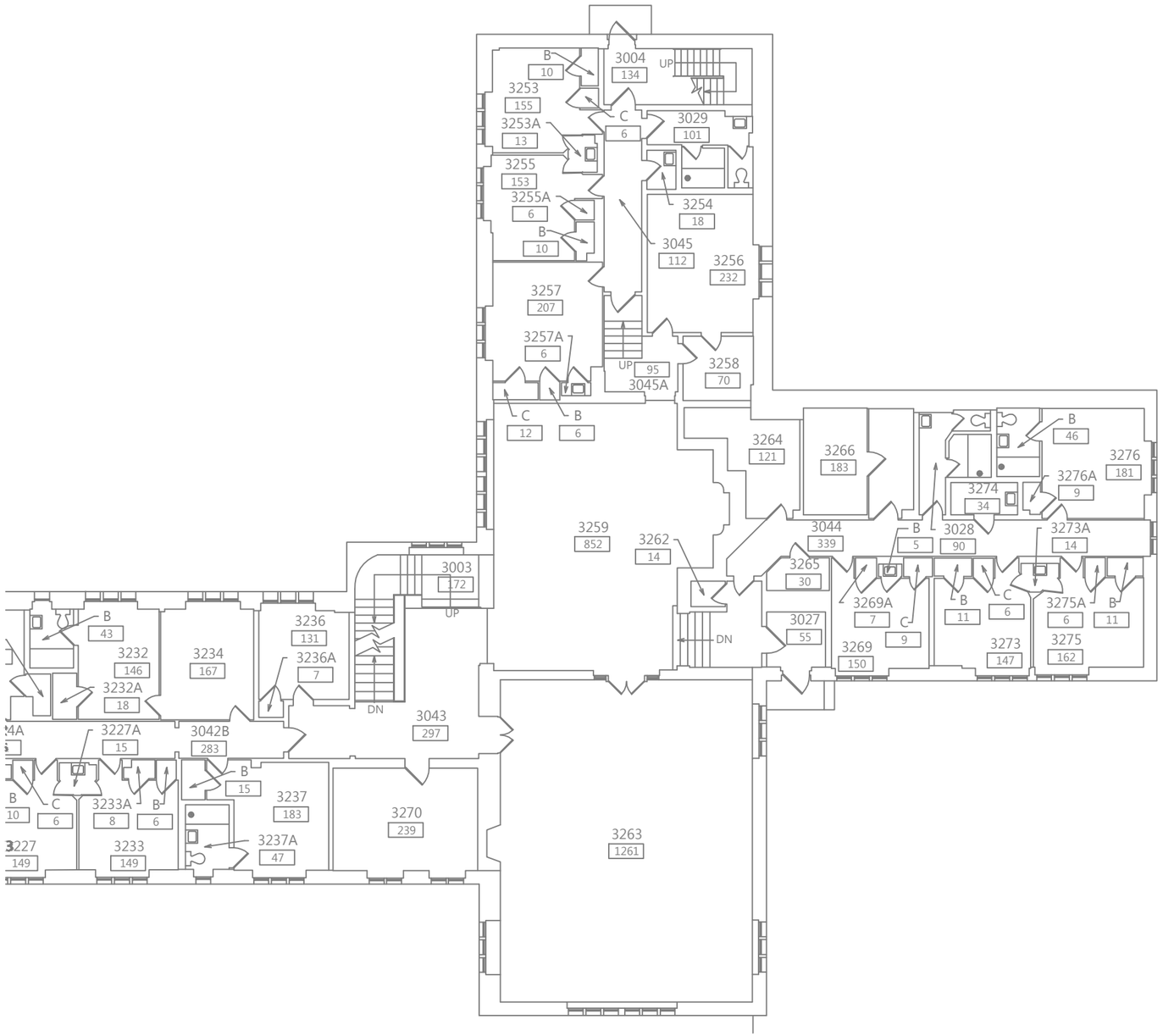
FIGURE
4A



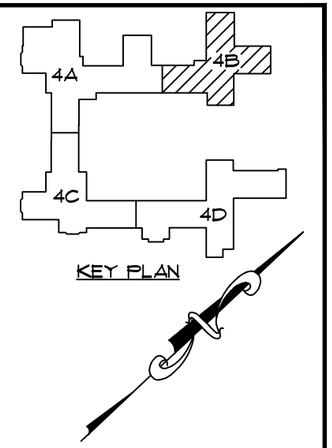


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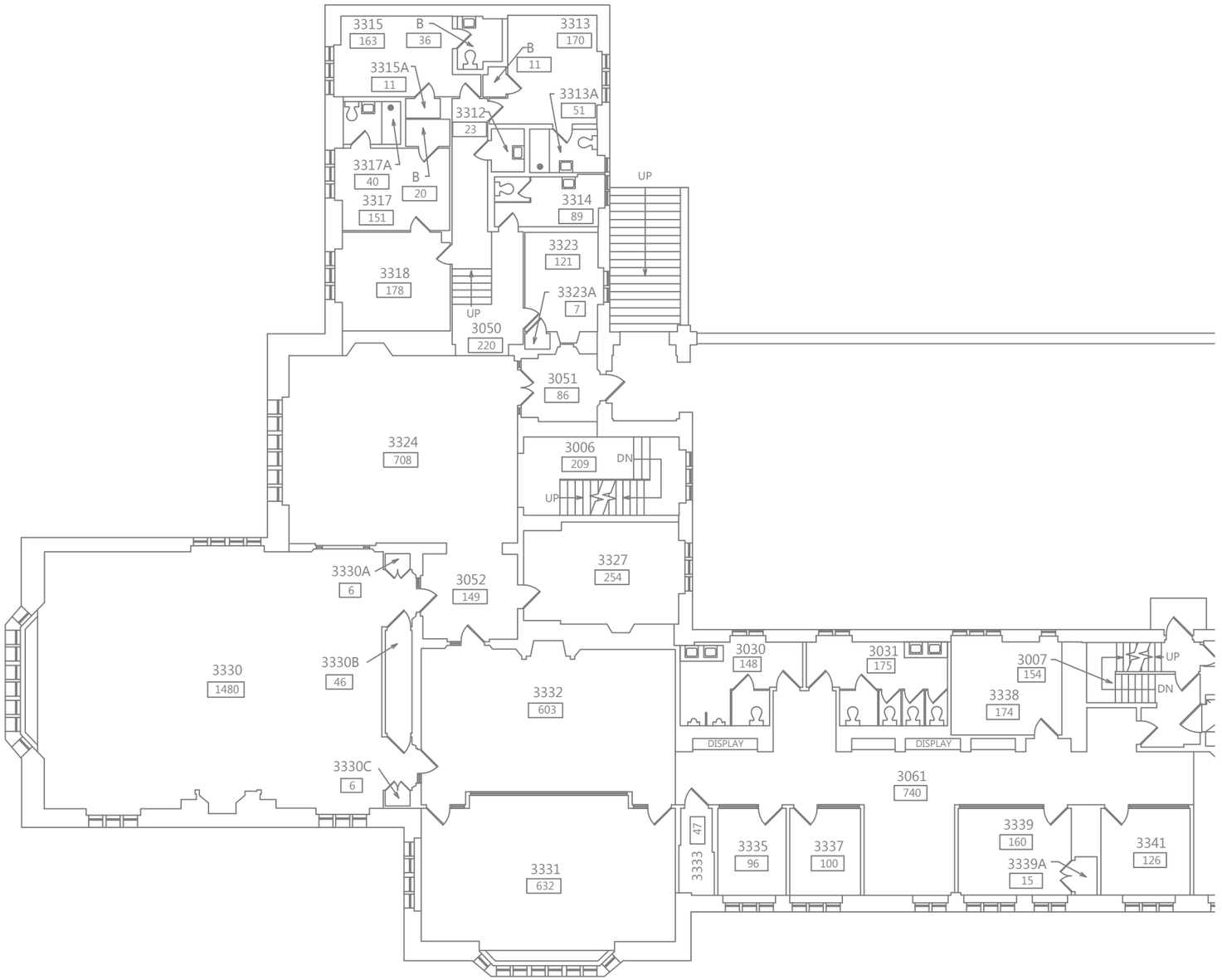
FIGURE
4B



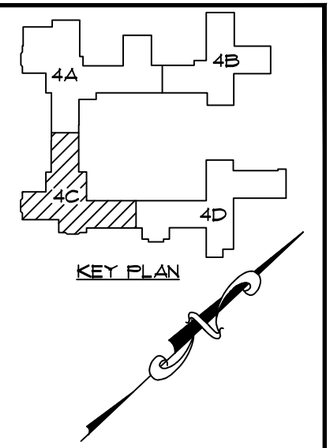


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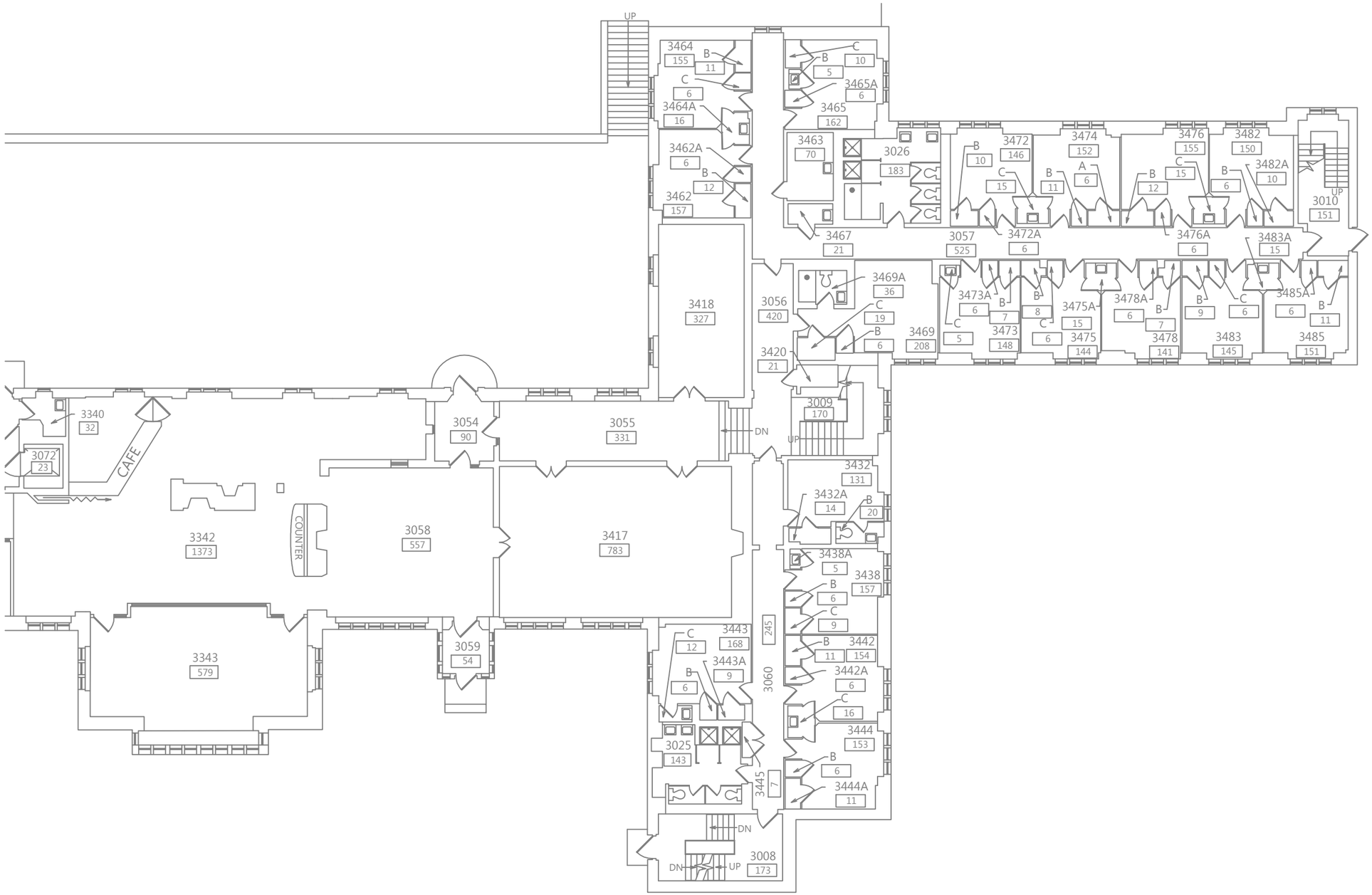
FIGURE
4C



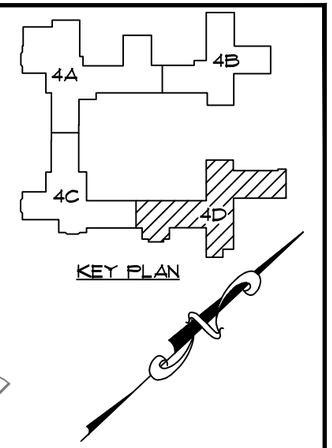


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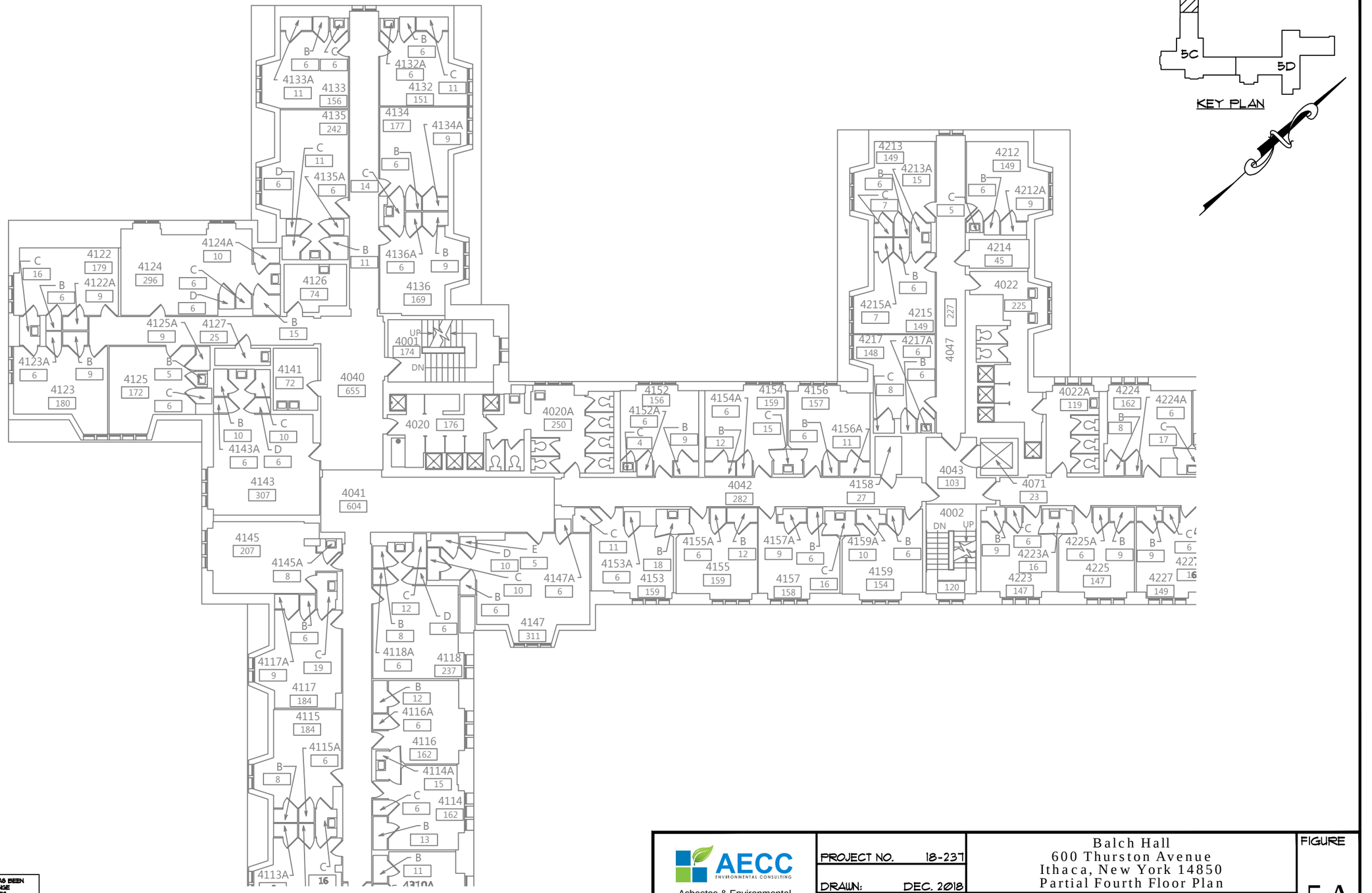
FIGURE
4D



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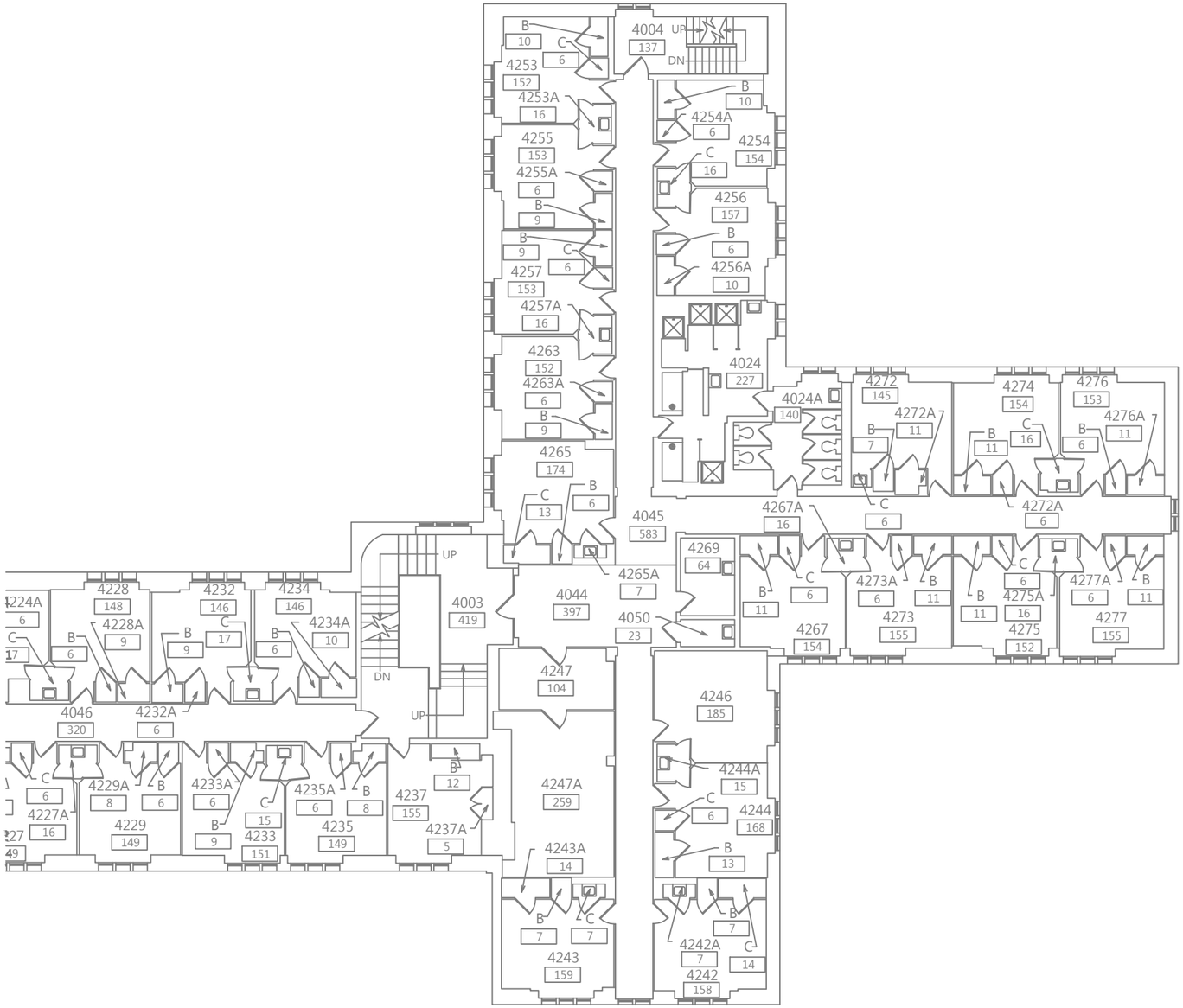
Lead-Based Paint XRF Testing Report

FIGURE
5A



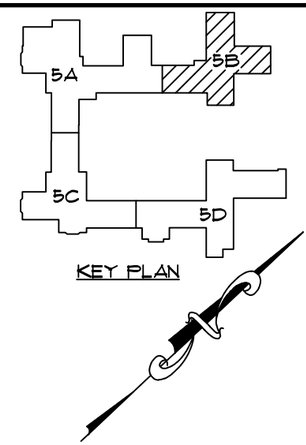


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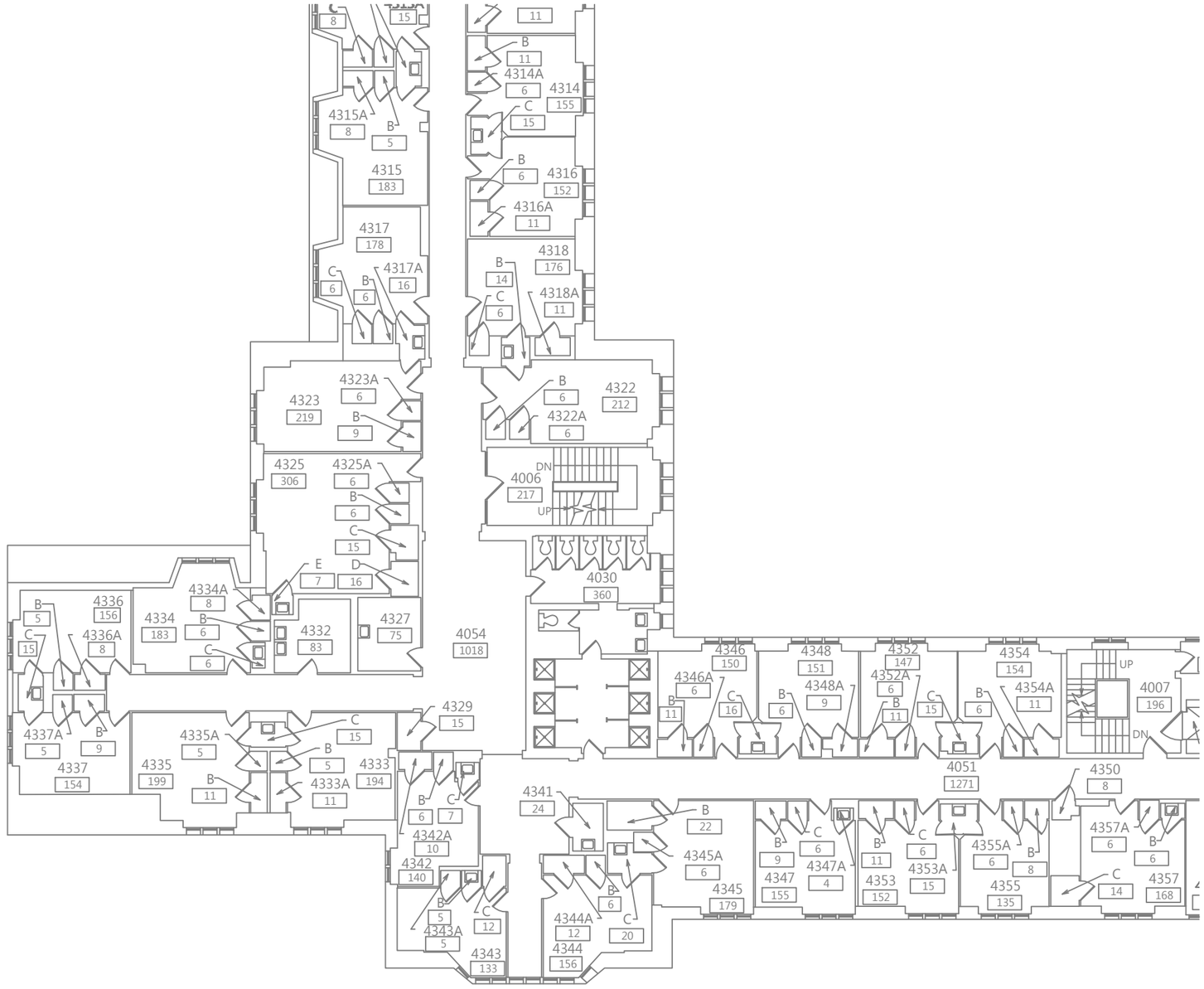
FIGURE
5B



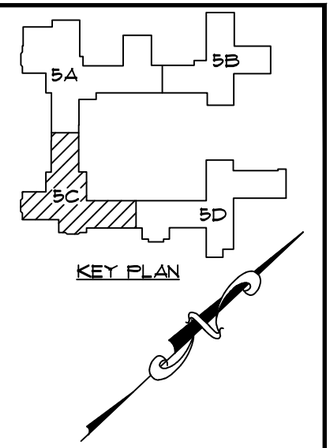


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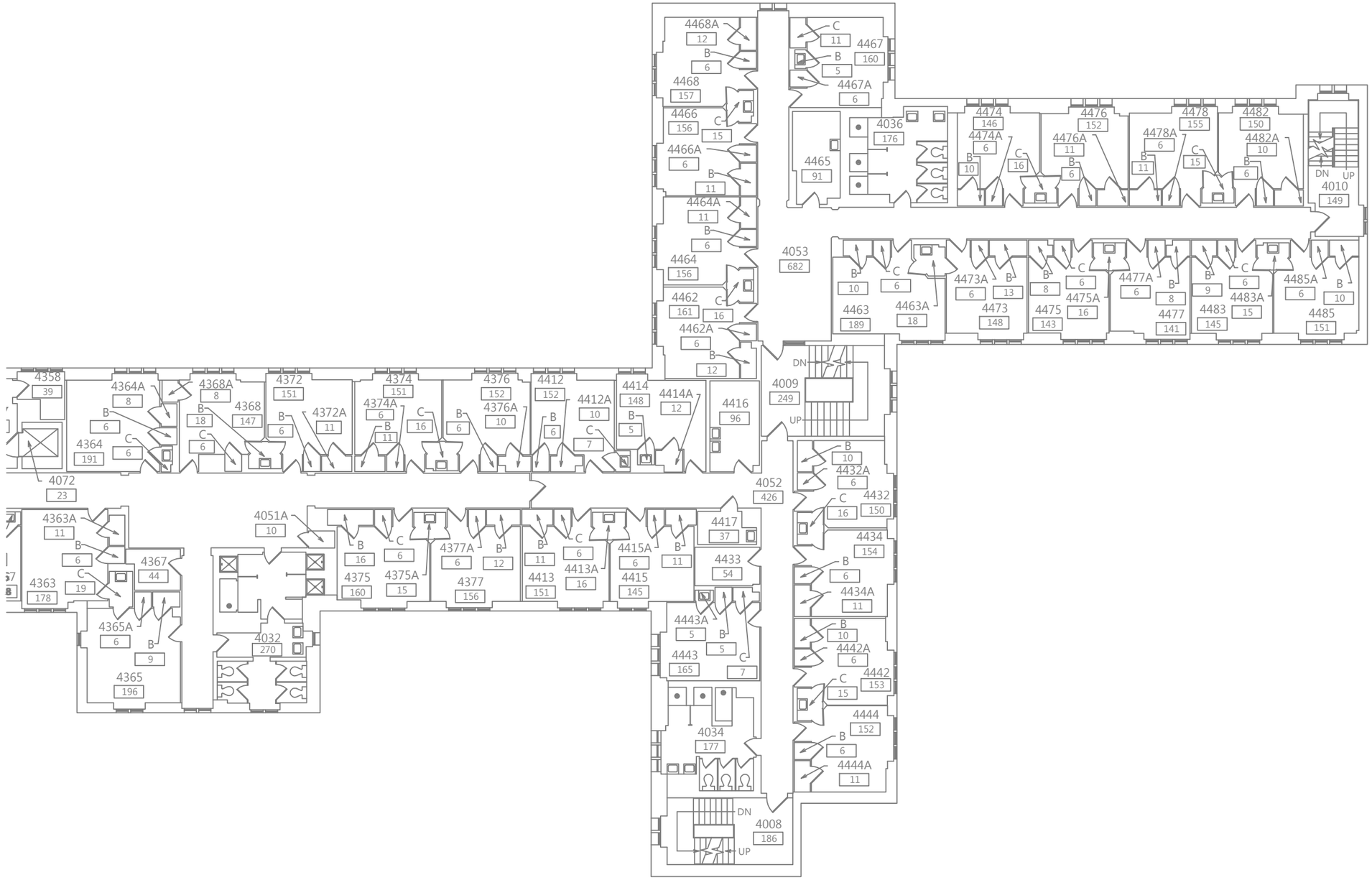
FIGURE
5C



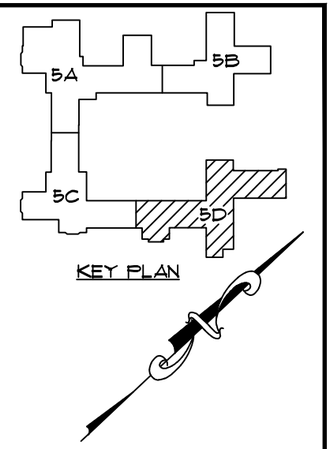


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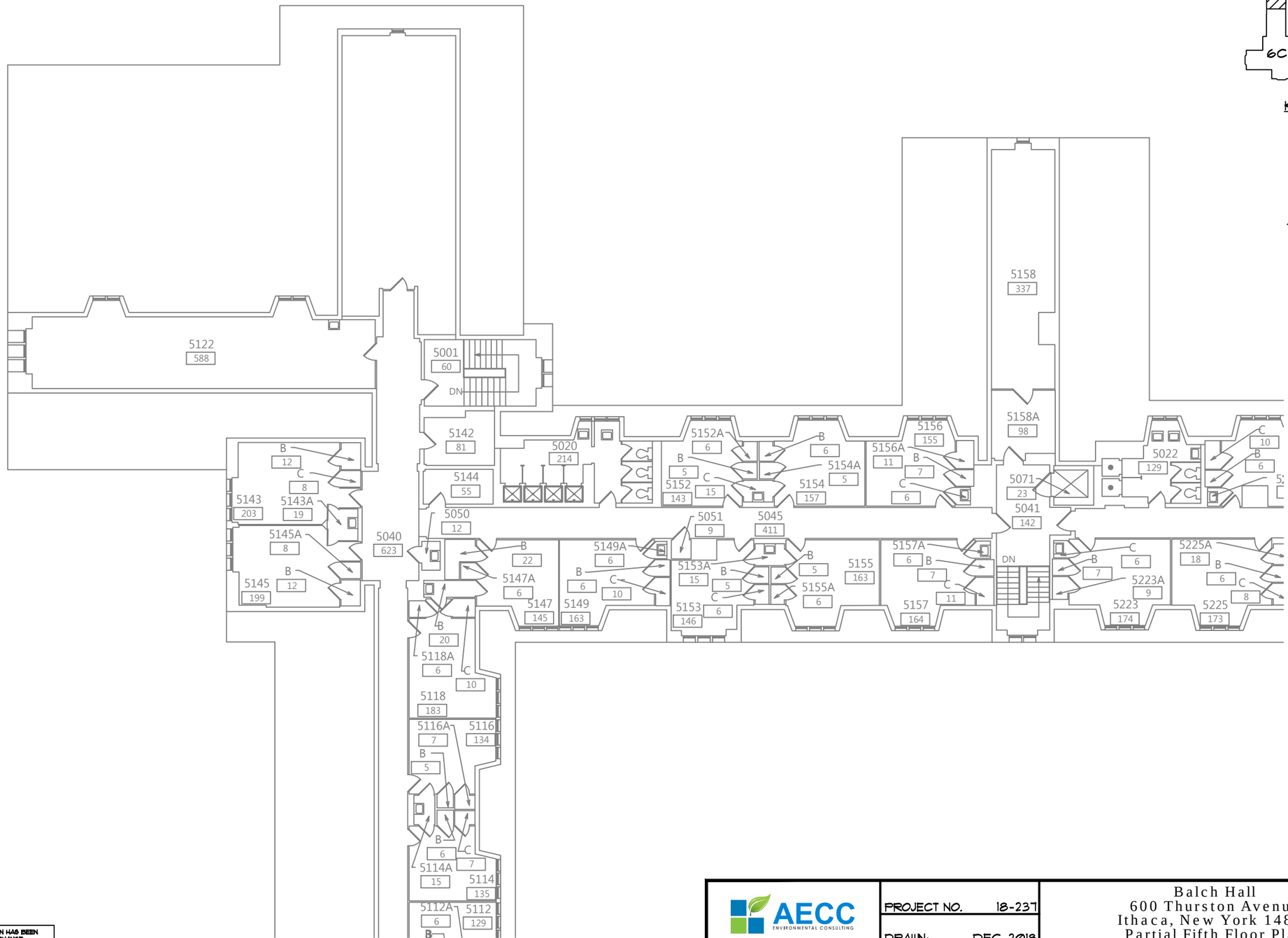
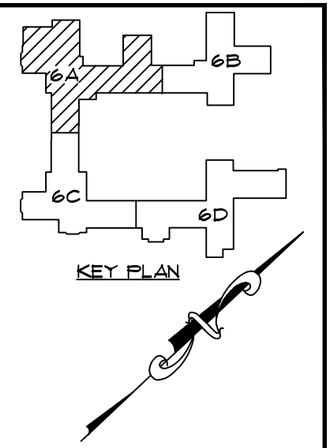
FIGURE
5D





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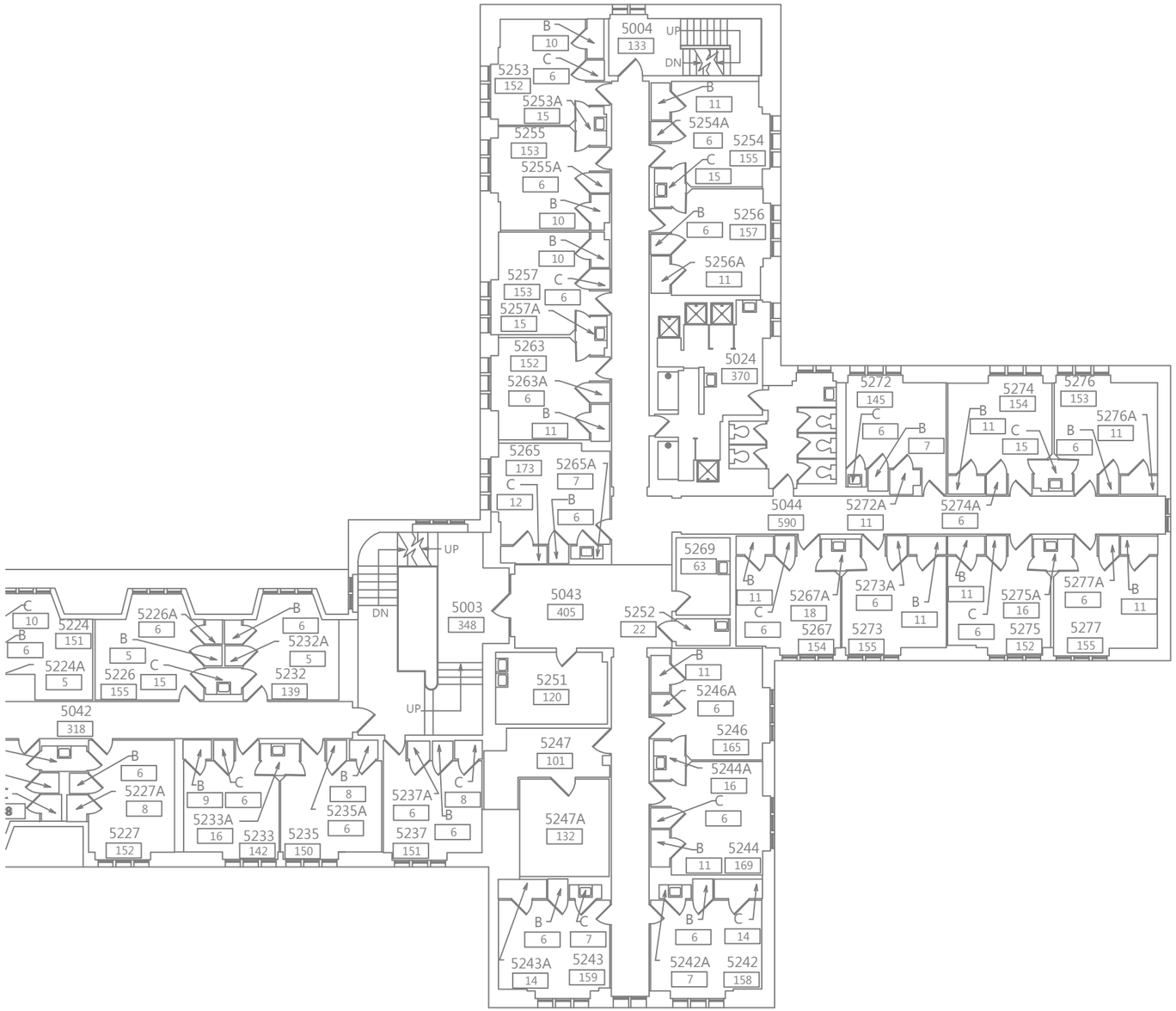
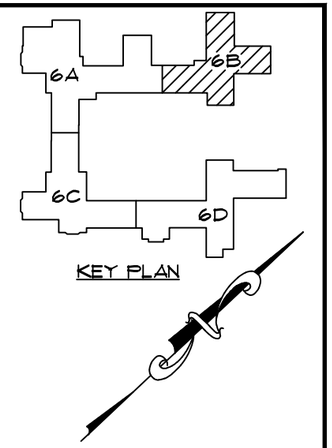
Lead-Based Paint XRF Testing Report

FIGURE
6A





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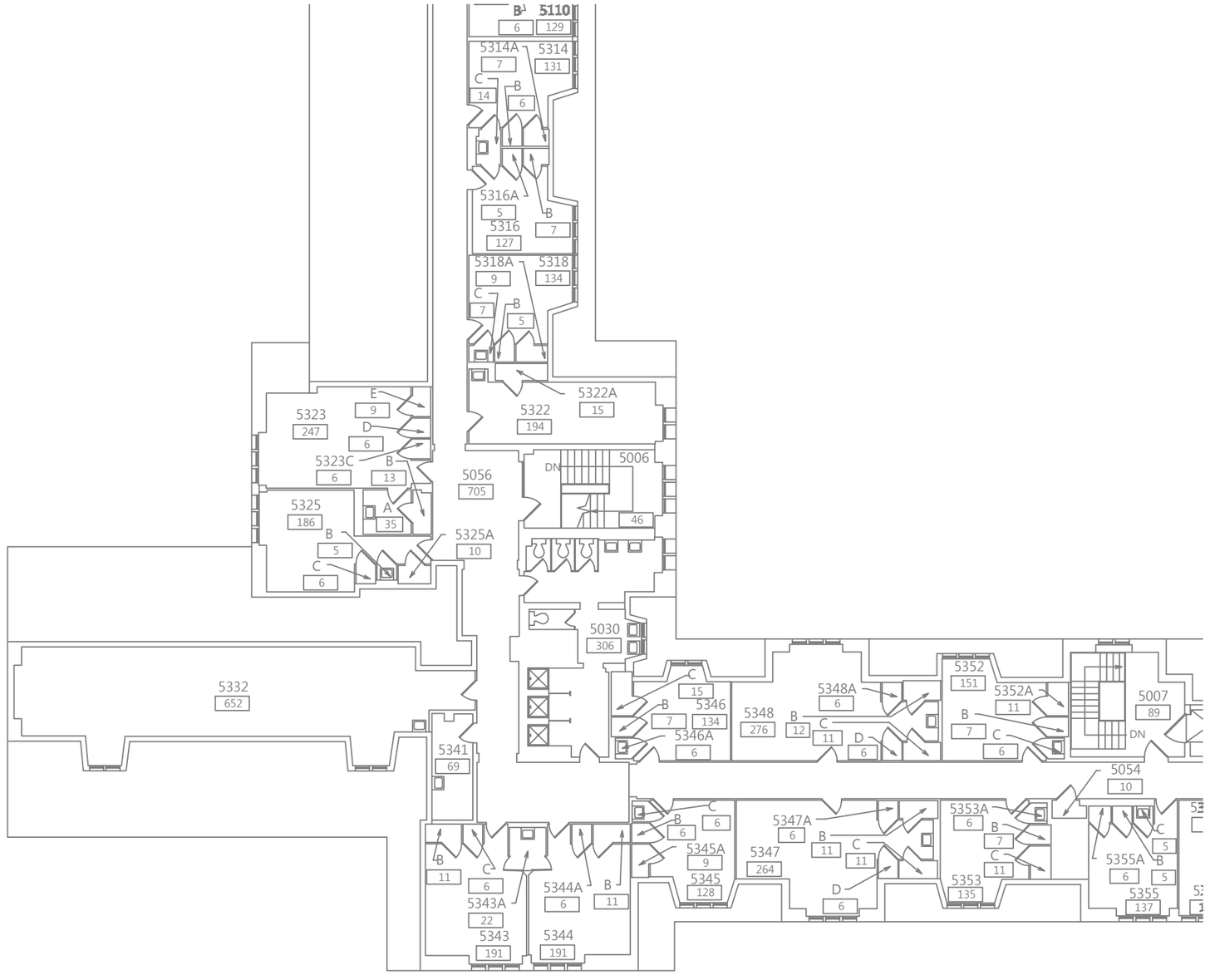
Lead-Based Paint XRF Testing Report

FIGURE
6B



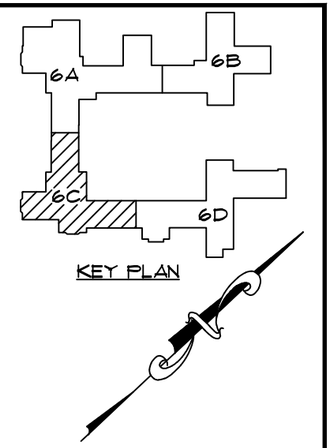


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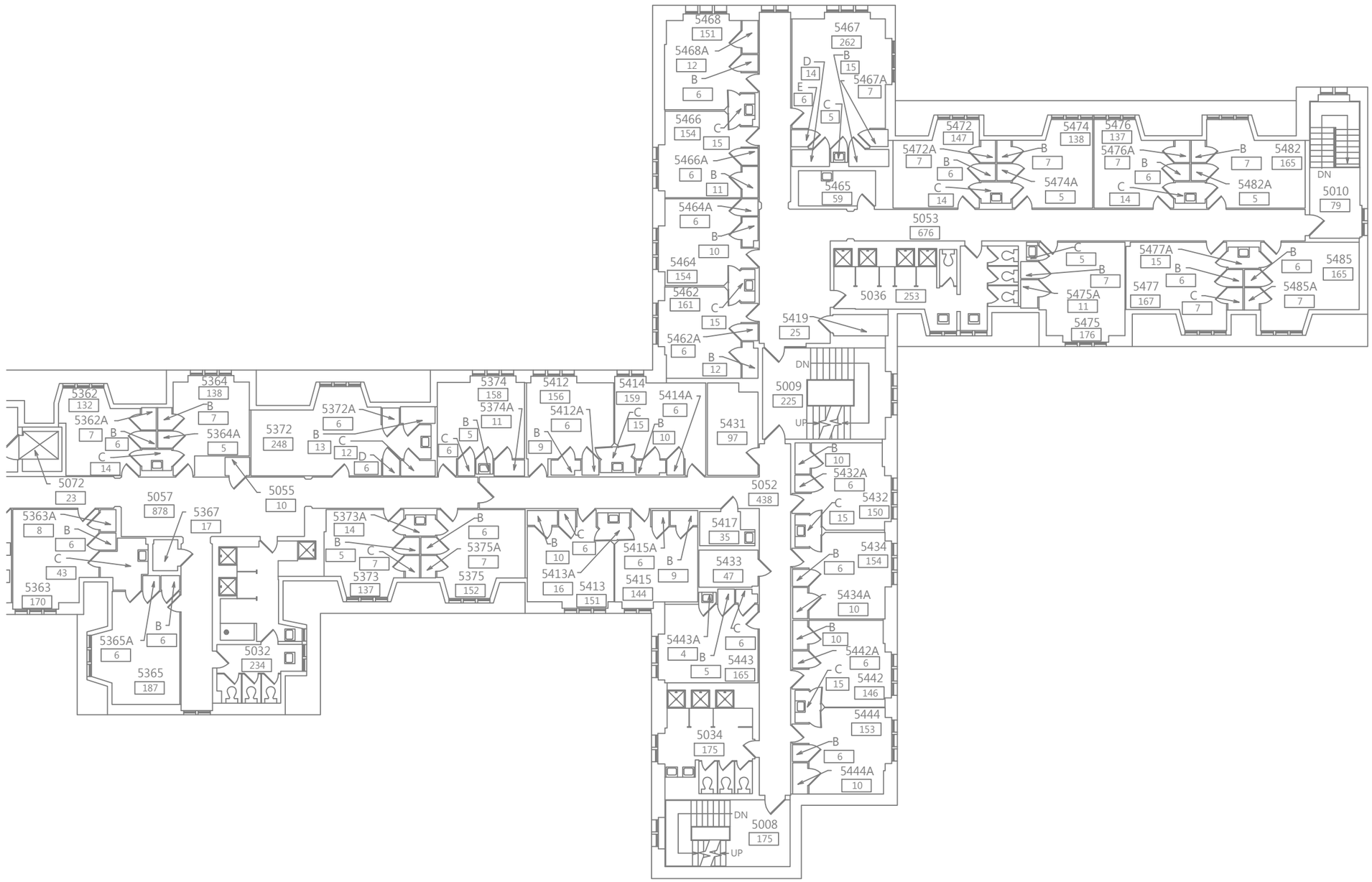
FIGURE
6C



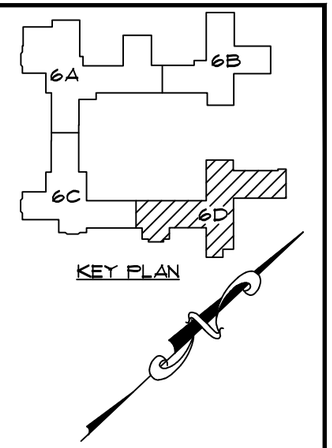


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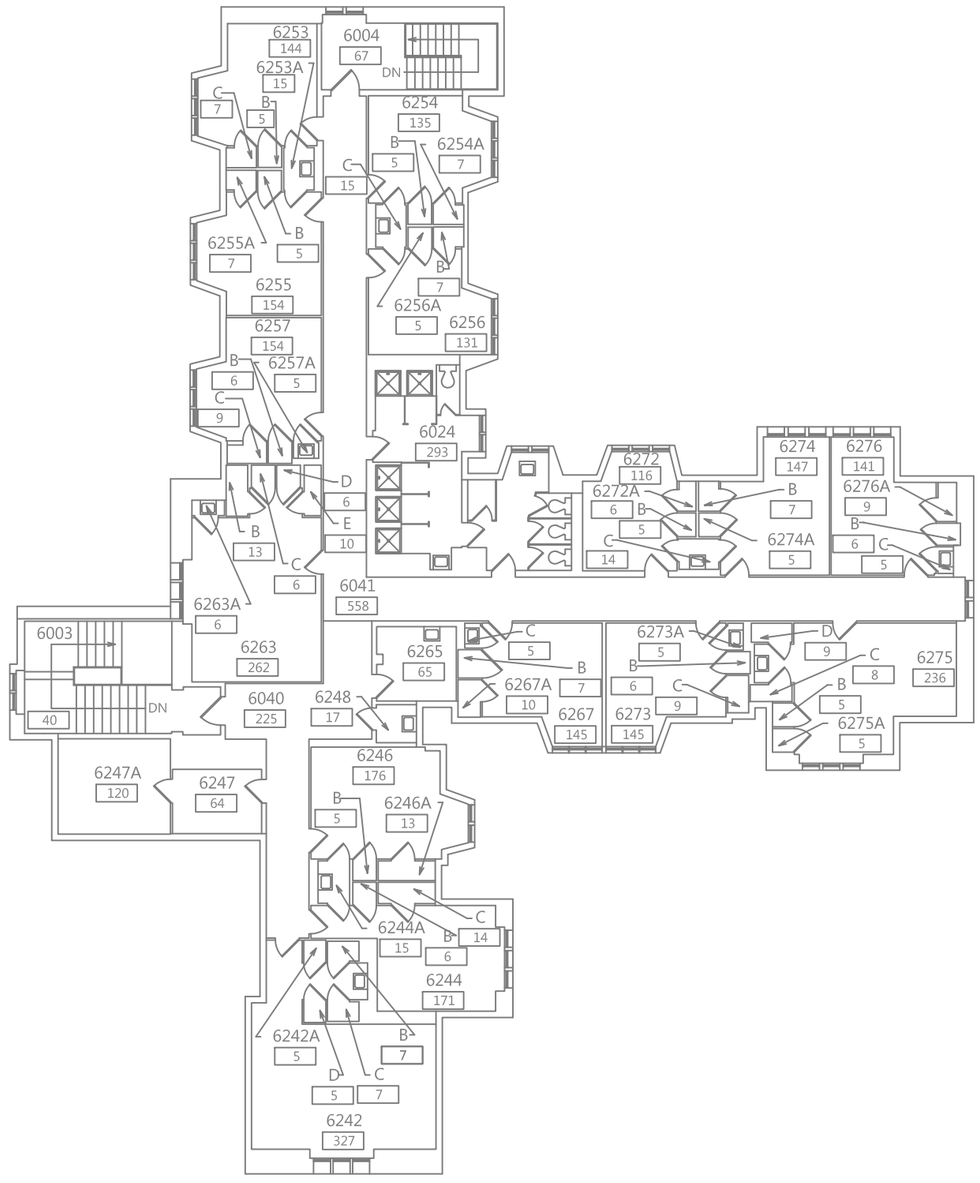
FIGURE
6D



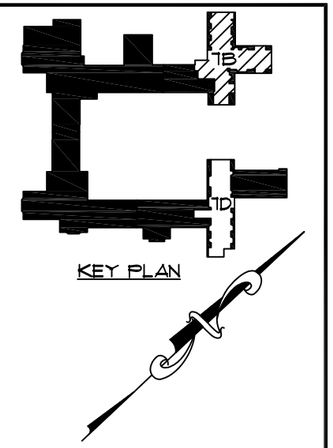


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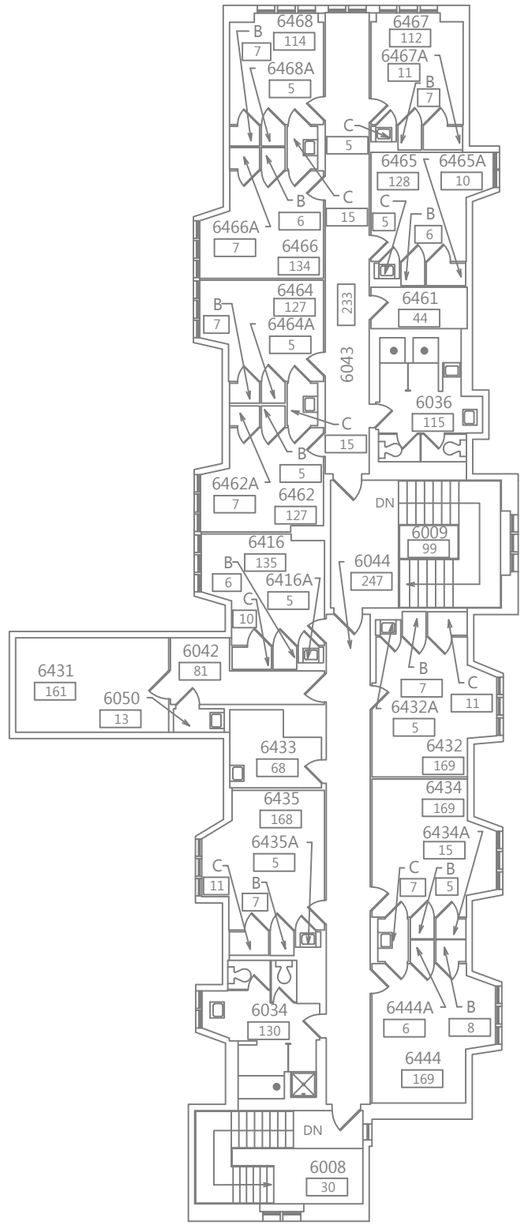
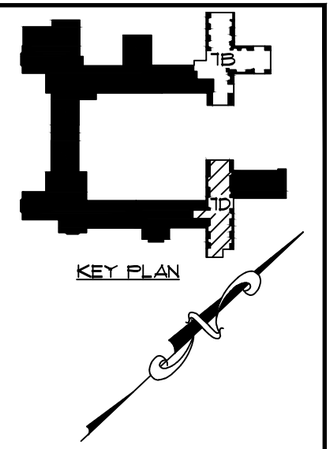
FIGURE
7B





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Partial Sixth Floor Plan

Lead-Based Paint XRF Testing Report

FIGURE
7D

Balch Hall

Confirmed Positives

Confirmed Positives								
#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
135	Balch Hall	Wall	Ceramic	Wall 1	Brown	1020	Positive	1.3
137	Balch Hall	Window Sash	Steel	Wall 4	Black	1020	Positive	27.2
80	Balch Hall	Door Molding	Steel	Wall 2	Brown	1041	Positive	1.2
129	Balch Hall	Chair Rail	Wood	Wall 1	White	1041	Positive	1.5
130	Balch Hall	Chair Rail	Wood	Wall 1	White	1041	Positive	3
92	Balch Hall	Door	Steel	Wall 4	Gray	1045	Positive	1
93	Balch Hall	Door Molding	Steel	Wall 4	Gray	1045	Positive	1.1
141	Balch Hall	Baseboard	Wood	Wall 3	White	1140	Positive	3.3
115	Balch Hall	Window Sash	Steel	Wall 3	Black	1154	Positive	3.9
100	Balch Hall	Window Sash	Steel	Wall 2	Black	1167	Positive	74
87	Balch Hall	Elevator Equipment	Steel	Wall 1	Green	1226	Positive	5
88	Balch Hall	Elevator Equipment	Steel	Wall 1	Green	1226	Positive	5.3
89	Balch Hall	Door Molding	Steel	Wall 1	Green	1226	Positive	1.4
83	Balch Hall	Window Sash	Wood	Wall 1	White	1227	Positive	4
72	Balch Hall	Door Molding	Steel	Wall 3	Gray	1229	Positive	1
199	Balch Hall	Wall	Ceramic	Wall 1	White	2022	Positive	1.3
200	Balch Hall	Wall	Ceramic	Wall 2	White	2022	Positive	1.2
203	Balch Hall	Window Sash	Steel	Wall 2	Black	2022	Positive	74
219	Balch Hall	Wall	Ceramic	Wall 1	Pink	2024	Positive	17.6
317	Balch Hall	Wall	Ceramic	Wall 1	Brown	2035	Positive	1.1
320	Balch Hall	Window Sash	Steel	Wall 2	Black	2035	Positive	8
156	Balch Hall	Door Molding	Steel	Wall 1	White	2042	Positive	1.1
159	Balch Hall	Radiator	Steel	Wall 3	Gray	2042	Positive	15.6
161	Balch Hall	Window Sash	Steel	Wall 3	Black	2042	Positive	66
231	Balch Hall	Door Molding	Wood	Wall 1	White	2047	Positive	1
234	Balch Hall	Window Sash	Steel	Wall 1	Black	2047	Positive	1.7
326	Balch Hall	Window Sash	Steel	Wall 2	Black	2050	Positive	73
300	Balch Hall	Window Sash	Steel	Wall 2	Black	2052	Positive	2.9
287	Balch Hall	Door Molding	Steel	Wall 3	Red	2057	Positive	3.4
288	Balch Hall	Elevator Door Molding	Steel	Wall 4	Red	2057	Positive	2.8
260	Balch Hall	Door Molding	Steel	Wall 3	Green	2058	Positive	1.1
147	Balch Hall	Door Molding	Wood	Wall 1	Brown	2127	Positive	4.3

149	Balch Hall	Door	Steel	Wall 1	Black	2127	Positive	77
153	Balch Hall	Window Sash	Steel	Wall 1	Black	2127	Positive	53
154	Balch Hall	Door	Steel	Wall 3	Black	2127	Positive	77
169	Balch Hall	Window Sash	Steel	Wall 4	Black	2139	Positive	55
170	Balch Hall	Radiator	Steel	Wall 4	Gray	2139	Positive	6.3
173	Balch Hall	Window Sash	Steel	Wall 1	Black	2153	Positive	71
184	Balch Hall	Window Sash	Steel	Wall 3	Black	2156	Positive	70
189	Balch Hall	Window Sash	Steel	Wall 1	Black	2159	Positive	77
208	Balch Hall	Window Sash	Steel	Wall 4	Black	2162	Positive	74
195	Balch Hall	Window Sash	Steel	Wall 1	Black	2167	Positive	75
211	Balch Hall	Window Sash	Steel	Wall 1	Black	2223	Positive	72
216	Balch Hall	Chair Rail	Wood	Wall 2	White	2223	Positive	1.2
226	Balch Hall	Window Sash	Steel	Wall 1	Black	2233	Positive	50
236	Balch Hall	Window Sash	Steel	Wall 2	Black	2245	Positive	2.5
313	Balch Hall	Window Sash	Steel	Wall 2	Black	2327	Positive	78
282	Balch Hall	Sink	Steel	Wall 4	White	2411	Positive	25.7
273	Balch Hall	Window Sash	Wood	Wall 1	Blue	2413	Positive	6.4
251	Balch Hall	Window Sash	Wood	Wall 1	Brown	2423	Positive	5.6
243	Balch Hall	Window Sash	Wood	Wall 1	White	2425	Positive	3.8
361	Balch Hall	Window Sash	Steel	Wall 3	Black	3055	Positive	3.2
299	Balch Hall	Wall	Sheetrock	Wall 2	White	3113	Positive	7.4
300	Balch Hall	Radiator	Steel	Wall 2	Gray	3113	Positive	1.2
302	Balch Hall	Window Sash	Steel	Wall 2	Black	3113	Positive	76
303	Balch Hall	Wall	Sheetrock	Wall 2	White	3113	Positive	8.4
297	Balch Hall	Window Sash	Steel	Wall 4	Black	3114	Positive	77
318	Balch Hall	Window Sash	Steel	Wall 3	Black	3126	Positive	75
319	Balch Hall	Radiator	Steel	Wall 3	Gray	3126	Positive	1
325	Balch Hall	Window Sash	Steel	Wall 4	Black	3134	Positive	78
306	Balch Hall	Radiator	Steel	Wall 2	Gray	3145	Positive	5.7
307	Balch Hall	Window Sash	Steel	Wall 2	Black	3145	Positive	75
286	Balch Hall	Radiator	Steel	Wall 3	Gray	3156	Positive	8
288	Balch Hall	Window Sash	Steel	Wall 3	Black	3156	Positive	75
280	Balch Hall	Window Sash	Steel	Wall 2	Black	3163	Positive	76
281	Balch Hall	Door Molding	Steel	Wall 4	White	3163	Positive	3.2

272	Balch Hall	Radiator	Steel	Wall 4	Gray	3166	Positive	8
273	Balch Hall	Window Sash	Steel	Wall 4	Black	3166	Positive	72
261	Balch Hall	Radiator	Steel	Wall 1	Gray	3223	Positive	6.7
263	Balch Hall	Window Sash	Steel	Wall 1	Black	3223	Positive	76
267	Balch Hall	Door Molding	Steel	Wall 3	White	3223	Positive	2.9
247	Balch Hall	Chair Rail	Wood	Wall 1	White	3234	Positive	1
249	Balch Hall	Window Sash	Steel	Wall 3	Black	3234	Positive	75
257	Balch Hall	Window Sash	Steel	Wall 1	Black	3237	Positive	53
195	Balch Hall	Radiator	Steel	Wall 2	Gray	3257	Positive	3
197	Balch Hall	Window Sash	Steel	Wall 2	Black	3257	Positive	75
202	Balch Hall	Window Sash	Steel	Wall 2	Black	3259	Positive	73
206	Balch Hall	Baseboard	Wood	Wall 1	Brown	3263	Positive	5.2
208	Balch Hall	Window Sash	Steel	Wall 1	Black	3263	Positive	78
213	Balch Hall	Door	Steel	Wall 3	Black	3263	Positive	61
235	Balch Hall	Window Sash	Steel	Wall 1	Black	3270	Positive	74
237	Balch Hall	Grate	Steel	Wall 1	White	3270	Positive	1
240	Balch Hall	Baseboard	Wood	Wall 3	White	3270	Positive	3.7
241	Balch Hall	Chair Rail	Wood	Wall 3	White	3270	Positive	1.7
228	Balch Hall	Window Sash	Steel	Wall 1	Black	3273	Positive	75
230	Balch Hall	Radiator	Steel	Wall 1	Gray	3273	Positive	2.3
227	Balch Hall	Window Sash	Steel	Wall 4	Black	3276	Positive	77
335	Balch Hall	Window Sash	Steel	Wall 2	Black	3315	Positive	73
339	Balch Hall	Window Sash	Steel	Wall 2	Black	3324	Positive	69
340	Balch Hall	Window Sash	Steel	Wall 1	Black	3330	Positive	71
345	Balch Hall	Window Sash	Steel	Wall 1	Black	3331	Positive	73
372	Balch Hall	Window Sash	Steel	Wall 4	Black	3432	Positive	72
373	Balch Hall	Window Sash	Steel	Wall 2	Black	3443	Positive	77
375	Balch Hall	Radiator	Steel	Wall 2	Gray	3443	Positive	5.2
382	Balch Hall	Window Sash	Steel	Wall 2	Black	3464	Positive	68
387	Balch Hall	Window Sash	Steel	Wall 1	Black	3473	Positive	75
389	Balch Hall	Door Molding	Steel	Wall 1	White	3482	Positive	4.8
395	Balch Hall	Window Sash	Steel	Wall 3	Black	3482	Positive	76
180	Balch Hall	Stringer	Steel	Wall 1	Black	4004	Positive	2.1
181	Balch Hall	Riser	Steel	Wall 1	Black	4004	Positive	1.4

182	Balch Hall	Baluster	Steel	Wall 1	Black	4004	Positive	1.8
183	Balch Hall	Newel Post	Steel	Wall 1	Black	4004	Positive	4.1
184	Balch Hall	Window Sash	Steel	Wall 4	Black	4004	Positive	76
56	Balch Hall	Window Sash	Steel	Wall 3	Black	4020	Positive	75
95	Balch Hall	Window Sash	Steel	Wall 3	Black	4047	Positive	73
97	Balch Hall	Radiator	Steel	Wall 3	Gray	4047	Positive	1.2
23	Balch Hall	Radiator	Steel	Wall 3	Gray	4053	Positive	1.5
25	Balch Hall	Window Sash	Steel	Wall 3	Black	4053	Positive	69
7	Balch Hall	Radiator	Steel	Wall 4	Gray	4114	Positive	17.7
9	Balch Hall	Window Sash	Steel	Wall 4	Black	4114	Positive	74
28	Balch Hall	Wall	Sheetrock	Wall 2	White	4122	Positive	3.2
31	Balch Hall	Window Sash	Steel	Wall 2	Black	4122	Positive	78
41	Balch Hall	Radiator	Steel	Wall 2	Gray	4133	Positive	7.2
20	Balch Hall	Radiator	Steel	Wall 2	Gray	4143	Positive	9.8
61	Balch Hall	Wall	Sheetrock	Wall 1	White	4147	Positive	9.3
66	Balch Hall	Door Molding	Steel	Wall 1	White	4152	Positive	3.1
73	Balch Hall	Radiator	Steel	Wall 3	Gray	4152	Positive	13.4
75	Balch Hall	Window Sash	Steel	Wall 3	Black	4152	Positive	74
76	Balch Hall	Window Sash	Steel	Wall 1	Black	4159	Positive	75
78	Balch Hall	Radiator	Steel	Wall 1	Gray	4159	Positive	3.9
110	Balch Hall	Radiator	Steel	Wall 1	Gray	4223	Positive	8.9
112	Balch Hall	Window Sash	Steel	Wall 1	Black	4223	Positive	71
116	Balch Hall	Door Molding	Steel	Wall 3	White	4223	Positive	4.3
123	Balch Hall	Window Sash	Steel	Wall 3	Black	4228	Positive	78
126	Balch Hall	Radiator	Steel	Wall 1	Gray	4235	Positive	1.1
128	Balch Hall	Window Sash	Steel	Wall 1	Black	4235	Positive	73
132	Balch Hall	Door Molding	Steel	Wall 3	White	4235	Positive	2.6
137	Balch Hall	Radiator	Steel	Wall 4	Gray	4244	Positive	3.1
140	Balch Hall	Window Sash	Steel	Wall 4	Black	4244	Positive	60
177	Balch Hall	Radiator	Steel	Wall 4	Gray	4254	Positive	3.2
179	Balch Hall	Window Sash	Steel	Wall 4	Black	4254	Positive	72
170	Balch Hall	Radiator	Steel	Wall 2	Gray	4257	Positive	1.5
172	Balch Hall	Window Sash	Steel	Wall 2	Black	4257	Positive	72
147	Balch Hall	Radiator	Steel	Wall 1	Gray	4267	Positive	2.3

149	Balch Hall	Window Sash	Steel	Wall 1	Black	4267	Positive	67
154	Balch Hall	Door Molding	Steel	Wall 1	White	4276	Positive	1.7
160	Balch Hall	Window Sash	Steel	Wall 3	Black	4276	Positive	73
166	Balch Hall	Window Sash	Steel	Wall 4	Black	4276	Positive	58
455	Balch Hall	Door Molding	Steel	Wall 2	White	4314	Positive	1.1
460	Balch Hall	Radiator	Steel	Wall 4	Gray	4314	Positive	9.3
462	Balch Hall	Window Sash	Steel	Wall 4	Black	4314	Positive	78
454	Balch Hall	Window Sash	Steel	Wall 4	Black	4322	Positive	74
444	Balch Hall	Radiator	Steel	Wall 2	Gray	4325	Positive	2
446	Balch Hall	Window Sash	Steel	Wall 2	Black	4325	Positive	72
418	Balch Hall	Radiator	Steel	Wall 1	Gray	4335	Positive	9.2
420	Balch Hall	Window Sash	Steel	Wall 1	Black	4335	Positive	70
430	Balch Hall	Radiator	Steel	Wall 2	Gray	4336	Positive	3.3
432	Balch Hall	Window Sash	Steel	Wall 2	Black	4336	Positive	39
414	Balch Hall	Window Sash	Steel	Wall 1	Black	4343	Positive	68
399	Balch Hall	Door Molding	Steel	Wall 1	White	4352	Positive	1.1
404	Balch Hall	Radiator	Steel	Wall 3	Gray	4352	Positive	8.7
406	Balch Hall	Window Sash	Steel	Wall 3	Black	4352	Positive	76
391	Balch Hall	Radiator	Steel	Wall 1	Gray	4357	Positive	5.9
393	Balch Hall	Window Sash	Steel	Wall 1	Black	4357	Positive	72
386	Balch Hall	Window Sash	Steel	Wall 1	Black	4365	Positive	38
378	Balch Hall	Door Molding	Steel	Wall 1	White	4374	Positive	5
383	Balch Hall	Radiator	Steel	Wall 3	Gray	4374	Positive	2.3
373	Balch Hall	Window Sash	Steel	Wall 1	Black	4413	Positive	72
60	Balch Hall	Radiator	Steel	Wall 3	Gray	4432	Positive	1.2
61	Balch Hall	Window Sash	Steel	Wall 3	Black	4432	Positive	75
364	Balch Hall	Window Sash	Steel	Wall 2	Black	4443	Positive	72
357	Balch Hall	Radiator	Steel	Wall 4	Gray	4444	Positive	5
359	Balch Hall	Window Sash	Steel	Wall 4	Black	4444	Positive	77
51	Balch Hall	Radiator	Steel	Wall 1	Gray	4463	Positive	4.9
52	Balch Hall	Window Sash	Steel	Wall 1	Black	4463	Positive	73
14	Balch Hall	Window Sash	Steel	Wall 2	Black	4466	Positive	70
18	Balch Hall	Door Molding	Steel	Wall 4	White	4466	Positive	2.2
29	Balch Hall	Radiator	Steel	Wall 3	Gray	4474	Positive	8.5

31	Balch Hall	Window Sash	Steel	Wall 3	Black	4474	Positive	78
35	Balch Hall	Door Molding	Steel	Wall 1	White	4482	Positive	3.9
41	Balch Hall	Window Sash	Steel	Wall 3	Black	4482	Positive	73
42	Balch Hall	Window Sash	Steel	Wall 1	Black	4483	Positive	71
44	Balch Hall	Radiator	Steel	Wall 1	Gray	4483	Positive	2.3
283	Balch Hall	Door Molding	Steel	Wall 1	White	5007	Positive	2
287	Balch Hall	Stringer	Steel	Wall 3	Black	5007	Positive	1.5
288	Balch Hall	Riser	Steel	Wall 3	Black	5007	Positive	2.4
289	Balch Hall	Baluster	Steel	Wall 3	Black	5007	Positive	1.7
290	Balch Hall	Newel Post	Steel	Wall 3	Black	5007	Positive	1.4
291	Balch Hall	Window Sash	Steel	Wall 3	Black	5007	Positive	75
160	Balch Hall	Door	Steel	Wall 1	White	5009	Positive	1
99	Balch Hall	Stringer	Steel	Wall 2	Black	5010	Positive	1.8
100	Balch Hall	Riser	Steel	Wall 2	Black	5010	Positive	2.8
101	Balch Hall	Baluster	Steel	Wall 2	Black	5010	Positive	2.7
102	Balch Hall	Newel Post	Steel	Wall 2	Black	5010	Positive	4.2
103	Balch Hall	Window Sash	Steel	Wall 4	Black	5010	Positive	73
527	Balch Hall	Window Sash	Steel	Wall 4	Black	5024	Positive	73
237	Balch Hall	Wall	Ceramic	Wall 1	Brown	5032	Positive	1.4
242	Balch Hall	Wall	Ceramic	Wall 3	Brown	5032	Positive	1.1
248	Balch Hall	Access Door	Steel	Wall 4	White	5032	Positive	5.6
120	Balch Hall	Radiator	Steel	Wall 1	Gray	5036	Positive	1.7
424	Balch Hall	Window Sash	Steel	Wall 1	Black	5041	Positive	70
425	Balch Hall	Baseboard	Steel	Wall 1	Black	5041	Positive	2.3
426	Balch Hall	Stringer	Steel	Wall 1	Black	5041	Positive	3.7
427	Balch Hall	Riser	Steel	Wall 1	Black	5041	Positive	2.7
467	Balch Hall	Window Sash	Steel	Wall 1	Black	5043	Positive	74
135	Balch Hall	Door Molding	Steel	Wall 3	White	5053	Positive	1.1
332	Balch Hall	Door Molding	Steel	Wall 4	White	5056	Positive	1.2
377	Balch Hall	Radiator	Steel	Wall 1	Gray	5122	Positive	1
379	Balch Hall	Window Sash	Steel	Wall 1	Black	5122	Positive	73
367	Balch Hall	Radiator	Steel	Wall 2	Gray	5145	Positive	1.4
369	Balch Hall	Window Sash	Steel	Wall 2	Black	5145	Positive	75
371	Balch Hall	Door Molding	Steel	Wall 4	White	5145	Positive	2.7

411	Balch Hall	Wall	Sheetrock	Wall 3	White	5154	Positive	1.1
412	Balch Hall	Radiator	Steel	Wall 3	Gray	5154	Positive	1
417	Balch Hall	Radiator	Steel	Wall 1	Gray	5157	Positive	5.4
435	Balch Hall	Window Sash	Steel	Wall 3	Black	5158	Positive	76
444	Balch Hall	Wall	Sheetrock	Wall 3	White	5223	Positive	1.3
445	Balch Hall	Door Molding	Steel	Wall 3	White	5223	Positive	1.5
459	Balch Hall	Radiator	Steel	Wall 1	Gray	5233	Positive	1.1
461	Balch Hall	Window Sash	Steel	Wall 1	Black	5233	Positive	72
472	Balch Hall	Window Sash	Steel	Wall 1	Black	5243	Positive	74
489	Balch Hall	Window Sash	Steel	Wall 4	Black	5244	Positive	71
519	Balch Hall	Window Sash	Steel	Wall 4	Black	5254	Positive	74
508	Balch Hall	Radiator	Steel	Wall 2	Gray	5255	Positive	7.8
510	Balch Hall	Window Sash	Steel	Wall 2	Black	5255	Positive	72
511	Balch Hall	Door Molding	Steel	Wall 4	White	5255	Positive	3.9
501	Balch Hall	Radiator	Steel	Wall 2	Gray	5265	Positive	1.1
503	Balch Hall	Window Sash	Steel	Wall 2	Black	5265	Positive	4.3
528	Balch Hall	Window Sash	Steel	Wall 1	Black	5273	Positive	76
530	Balch Hall	Radiator	Steel	Wall 1	Gray	5273	Positive	7.2
542	Balch Hall	Window Sash	Steel	Wall 3	Black	5274	Positive	75
345	Balch Hall	Door Molding	Steel	Wall 1	White	5314	Positive	1.7
346	Balch Hall	Door Molding	Steel	Wall 2	White	5314	Positive	2.6
352	Balch Hall	Radiator	Steel	Wall 4	Gray	5314	Positive	4
339	Balch Hall	Door Molding	Steel	Wall 2	White	5322	Positive	1.1
343	Balch Hall	Window Sash	Steel	Wall 4	Black	5322	Positive	73
344	Balch Hall	Radiator	Steel	Wall 4	Gray	5322	Positive	3.5
326	Balch Hall	Window Sash	Steel	Wall 2	Black	5325	Positive	74
327	Balch Hall	Door Molding	Steel	Wall 4	White	5325	Positive	1.6
311	Balch Hall	Window Sash	Steel	Wall 1	Black	5344	Positive	71
314	Balch Hall	Door Molding	Steel	Wall 3	White	5344	Positive	7.6
294	Balch Hall	Radiator	Steel	Wall 1	Gray	5347	Positive	2.3
299	Balch Hall	Door Molding	Steel	Wall 3	White	5347	Positive	1.1
302	Balch Hall	Door Molding	Steel	Wall 1	White	5348	Positive	1.1
307	Balch Hall	Radiator	Steel	Wall 3	Gray	5348	Positive	1.7
308	Balch Hall	Window Sash	Steel	Wall 3	Black	5348	Positive	45

278	Balch Hall	Radiator	Steel	Wall 3	Gray	5362	Positive	11.9
252	Balch Hall	Radiator	Steel	Wall 2	Gray	5365	Positive	1.6
211	Balch Hall	Window Sash	Steel	Wall 1	Black	5413	Positive	71
217	Balch Hall	Door Molding	Steel	Wall 3	White	5413	Positive	1.1
208	Balch Hall	Radiator	Steel	Wall 3	Gray	5414	Positive	7.7
210	Balch Hall	Window Sash	Steel	Wall 3	Black	5414	Positive	56
202	Balch Hall	Door Molding	Steel	Wall 3	White	5417	Positive	1
188	Balch Hall	Door Molding	Steel	Wall 2	White	5432	Positive	4.8
193	Balch Hall	Window Sash	Steel	Wall 4	Black	5432	Positive	75
194	Balch Hall	Radiator	Steel	Wall 4	Gray	5432	Positive	2.8
185	Balch Hall	Window Sash	Steel	Wall 2	Black	5434	Positive	72
176	Balch Hall	Window Sash	Steel	Wall 2	Black	5443	Positive	74
154	Balch Hall	Radiator	Steel	Wall 2	Gray	5462	Positive	14.1
155	Balch Hall	Window Sash	Steel	Wall 2	Black	5462	Positive	70
158	Balch Hall	Door Molding	Steel	Wall 4	White	5462	Positive	4.5
136	Balch Hall	Door Molding	Steel	Wall 1	White	5467	Positive	6.4
142	Balch Hall	Window Sash	Steel	Wall 2	Black	5467	Positive	19.9
147	Balch Hall	Radiator	Steel	Wall 3	Gray	5468	Positive	3
149	Balch Hall	Window Sash	Steel	Wall 3	Black	5468	Positive	72
126	Balch Hall	Window Sash	Steel	Wall 1	Black	5475	Positive	70
80	Balch Hall	Window Sash	Steel	Wall 1	Black	6008	Positive	74
81	Balch Hall	Stringer	Steel	Wall 1	Black	6008	Positive	4
82	Balch Hall	Riser	Steel	Wall 1	Black	6008	Positive	1.4
83	Balch Hall	Baluster	Steel	Wall 1	Black	6008	Positive	1.2
84	Balch Hall	Newel Post	Steel	Wall 1	Black	6008	Positive	2.7
52	Balch Hall	Door Molding	Steel	Wall 1	White	6009	Positive	1.2
59	Balch Hall	Window Sash	Steel	Wall 4	Black	6009	Positive	76
17	Balch Hall	Window Sash	Steel	Wall 3	Black	6043	Positive	74
580	Balch Hall	Door Molding	Steel	Wall 2	White	6256	Positive	1
564	Balch Hall	Radiator	Steel	Wall 2	Gray	6263	Positive	11.8
566	Balch Hall	Window Sash	Steel	Wall 2	Black	6263	Positive	75
610	Balch Hall	Window Sash	Steel	Wall 3	Black	6274	Positive	76
64	Balch Hall	Ceiling	Steel	Wall 1	Black	6431	Positive	8.8
87	Balch Hall	Door Molding	Steel	Wall 2	White	6434	Positive	3.9

9	Balch Hall	Ceiling	Steel	Wall 2	Black	6461	Positive	8.2
47	Balch Hall	Radiator	Steel	Wall 2	Gray	6462	Positive	5.3
23	Balch Hall	Radiator	Steel	Wall 3	Gray	6468	Positive	11.4
24	Balch Hall	Window Sash	Steel	Wall 3	Black	6468	Positive	53
218	Balch Hall	Wall	Ceramic	Wall 4	Brown	2225B	Positive	1.2
63	Balch Hall	I-Beam Ceiling	Steel	Wall 1	Gray	Access	Positive	7.1
64	Balch Hall	Structural Steel	Steel	Wall 1	Gray	Access	Positive	4.7
68	Balch Hall	Door Molding	Steel	Wall 2	Gray	Access	Positive	1

XRF Results

XRF & Labs								
#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
135	Balch Hall	Wall	Ceramic	Wall 1	Brown	1020	Positive	1.3
137	Balch Hall	Window Sash	Steel	Wall 4	Black	1020	Positive	27.2
138	Balch Hall	Door Molding	Steel	Wall 3	White	1020	Negative	0.5
139	Balch Hall	Radiator	Steel	Wall 4	Brown	1020	Negative	0.2
136	Balch Hall	Wall	Masonry	Wall 1	White	1020	Negative	0
129	Balch Hall	Chair Rail	Wood	Wall 1	White	1041	Positive	1.5
130	Balch Hall	Chair Rail	Wood	Wall 1	White	1041	Positive	3
80	Balch Hall	Door Molding	Steel	Wall 2	Brown	1041	Positive	1.2
133	Balch Hall	Baseboard	Wood	Wall 1	Black	1041	Negative	-0.2
78	Balch Hall	Ceiling	Masonry	Wall 2	Blue	1041	Negative	0.3
128	Balch Hall	Ceiling	Masonry	Wall 1	White	1041	Negative	0
131	Balch Hall	Door Molding	Wood	Wall 1	White	1041	Negative	-0.2
132	Balch Hall	Door Molding	Wood	Wall 1	White	1041	Negative	-0.1
134	Balch Hall	Fire Extinguisher Case	Steel	Wall 2	White	1041	Negative	0.1
79	Balch Hall	Wall	Brick	Wall 2	White	1041	Negative	-0.2
92	Balch Hall	Door	Steel	Wall 4	Gray	1045	Positive	1
93	Balch Hall	Door Molding	Steel	Wall 4	Gray	1045	Positive	1.1
105	Balch Hall	Door Molding	Steel	Wall 2	Black	1045	Negative	0
123	Balch Hall	Ceiling	Masonry	Wall 1	Brown	1109	Negative	-0.2
122	Balch Hall	Door Molding	Steel	Wall 1	Gray	1109	Negative	0.5
124	Balch Hall	Railing	Steel	Wall 3	Gray	1109	Negative	0.3
121	Balch Hall	Wall	Brick	Wall 1	Brown	1109	Negative	0
117	Balch Hall	Ceiling	Masonry	Wall 1	White	1112	Negative	-0.4
119	Balch Hall	Door Molding	Steel	Wall 3	Gray	1112	Negative	0.4
116	Balch Hall	Wall	Masonry	Wall 1	White	1112	Negative	0.1
118	Balch Hall	Wall	Brick	Wall 3	Brown	1112	Negative	0
120	Balch Hall	Wall	Brick	Wall 4	Brown	1112	Negative	-0.1
96	Balch Hall	Ceiling	Masonry	Wall 1	White	1122	Negative	0
94	Balch Hall	Door Molding	Steel	Wall 1	White	1122	Negative	0.7
95	Balch Hall	Wall	Brick	Wall 1	White	1122	Negative	-0.2
127	Balch Hall	Ceiling	Masonry	Wall 2	White	1138	Negative	0.1
125	Balch Hall	Door Molding	Steel	Wall 2	White	1138	Negative	0.8

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
126	Balch Hall	Wall	Brick	Wall 2	White	1138	Negative	-0.2
141	Balch Hall	Baseboard	Wood	Wall 3	White	1140	Positive	3.3
140	Balch Hall	Baseboard	Wood	Wall 1	White	1140	Negative	-0.1
143	Balch Hall	Chair Rail	Wood	Wall 3	White	1140	Negative	0.4
144	Balch Hall	Door Molding	Wood	Wall 3	White	1140	Negative	0.6
142	Balch Hall	Wall	Wood	Wall 3	White	1140	Negative	0.1
115	Balch Hall	Window Sash	Steel	Wall 3	Black	1154	Positive	3.9
114	Balch Hall	Door	Wood	Wall 2	Brown	1154	Negative	0
113	Balch Hall	Door Molding	Steel	Wall 2	Brown	1154	Negative	-0.7
111	Balch Hall	Wall	Sheetrock	Wall 1	White	1154	Negative	0.3
112	Balch Hall	Wall	Sheetrock	Wall 2	White	1154	Negative	0
104	Balch Hall	Ceiling	Sheetrock	Wall 2	White	1156	Negative	-0.3
102	Balch Hall	Door	Steel	Wall 2	Brown	1156	Negative	0
103	Balch Hall	Radiator	Steel	Wall 2	Gray	1156	Negative	0
110	Balch Hall	Ceiling	Sheetrock	Wall 3	White	1157	Negative	-0.5
109	Balch Hall	Door	Steel	Wall 3	Gray	1157	Negative	-0.2
108	Balch Hall	Door Molding	Steel	Wall 3	Gray	1157	Negative	0.5
106	Balch Hall	Wall	Sheetrock	Wall 1	White	1157	Negative	-0.1
107	Balch Hall	Wall	Brick	Wall 3	White	1157	Negative	0
100	Balch Hall	Window Sash	Steel	Wall 2	Black	1167	Positive	74
97	Balch Hall	Ceiling	Masonry	Wall 1	White	1167	Negative	0.2
101	Balch Hall	Door Molding	Steel	Wall 4	White	1167	Negative	0.6
98	Balch Hall	Wall	Brick	Wall 1	White	1167	Negative	0.3
99	Balch Hall	Wall	Brick	Wall 3	White	1167	Negative	0.1
89	Balch Hall	Door Molding	Steel	Wall 1	Green	1226	Positive	1.4
87	Balch Hall	Elevator Equipment	Steel	Wall 1	Green	1226	Positive	5
88	Balch Hall	Elevator Equipment	Steel	Wall 1	Green	1226	Positive	5.3
90	Balch Hall	Wall	Masonry	Wall 1	Yellow	1226	Negative	-0.2
91	Balch Hall	Wall	Masonry	Wall 3	Yellow	1226	Negative	-0.1
83	Balch Hall	Window Sash	Wood	Wall 1	White	1227	Positive	4
86	Balch Hall	Door Molding	Steel	Wall 3	White	1227	Negative	0.9
84	Balch Hall	Floor	Masonry	Wall 1	Gray	1227	Negative	0.6
81	Balch Hall	Wall	Masonry	Wall 1	White	1227	Negative	0.6

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
85	Balch Hall	Wall	Brick	Wall 2	White	1227	Negative	0.3
82	Balch Hall	Window Molding	Wood	Wall 1	White	1227	Negative	0.3
77	Balch Hall	Ceiling	Masonry	Wall 2	White	1228	Negative	-0.2
75	Balch Hall	Door Molding	Steel	Wall 1	Gray	1228	Negative	0.9
74	Balch Hall	Wall	Brick	Wall 1	White	1228	Negative	-0.1
76	Balch Hall	Wall	Brick	Wall 2	White	1228	Negative	-0.1
72	Balch Hall	Door Molding	Steel	Wall 3	Gray	1229	Positive	1
73	Balch Hall	Radiator	Steel	Wall 3	White	1229	Negative	0.3
69	Balch Hall	Wall	Masonry	Wall 1	White	1229	Negative	0.1
70	Balch Hall	Wall	Brick	Wall 2	White	1229	Negative	0
71	Balch Hall	Wall	Brick	Wall 3	White	1229	Negative	0
199	Balch Hall	Wall	Ceramic	Wall 1	White	2022	Positive	1.3
200	Balch Hall	Wall	Ceramic	Wall 2	White	2022	Positive	1.2
203	Balch Hall	Window Sash	Steel	Wall 2	Black	2022	Positive	74
201	Balch Hall	Radiator	Steel	Wall 2	Gray	2022	Negative	-0.1
204	Balch Hall	Wall	Ceramic	Wall 3	Brown	2022	Negative	0.9
202	Balch Hall	Window Molding	Masonry	Wall 2	White	2022	Negative	0.2
219	Balch Hall	Wall	Ceramic	Wall 1	Pink	2024	Positive	17.6
222	Balch Hall	Ceiling	Sheetrock	Wall 3	White	2024	Negative	-0.7
220	Balch Hall	Wall	Ceramic	Wall 2	Pink	2024	Negative	-0.5
221	Balch Hall	Wall	Ceramic	Wall 3	Pink	2024	Negative	-0.6
317	Balch Hall	Wall	Ceramic	Wall 1	Brown	2035	Positive	1.1
320	Balch Hall	Window Sash	Steel	Wall 2	Black	2035	Positive	8
322	Balch Hall	Door Molding	Steel	Wall 4	White	2035	Negative	0.6
321	Balch Hall	Radiator	Steel	Wall 2	Gray	2035	Negative	0.2
316	Balch Hall	Wall	Sheetrock	Wall 1	White	2035	Negative	0
318	Balch Hall	Wall	Ceramic	Wall 2	Brown	2035	Negative	0.7
319	Balch Hall	Window Molding	Masonry	Wall 2	White	2035	Negative	0
156	Balch Hall	Door Molding	Steel	Wall 1	White	2042	Positive	1.1
159	Balch Hall	Radiator	Steel	Wall 3	Gray	2042	Positive	15.6
161	Balch Hall	Window Sash	Steel	Wall 3	Black	2042	Positive	66
157	Balch Hall	Fire Extinguisher Case	Steel	Wall 2	Red	2042	Negative	0.2
158	Balch Hall	Wall	Masonry	Wall 2	White	2042	Negative	-0.2

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
160	Balch Hall	Window Molding	Masonry	Wall 3	White	2042	Negative	0.1
231	Balch Hall	Door Molding	Wood	Wall 1	White	2047	Positive	1
234	Balch Hall	Window Sash	Steel	Wall 1	Black	2047	Positive	1.7
235	Balch Hall	Door	Wood	Wall 2	White	2047	Negative	0.2
232	Balch Hall	Grate	Steel	Wall 1	White	2047	Negative	0.1
233	Balch Hall	Window Molding	Wood	Wall 1	White	2047	Negative	-0.1
326	Balch Hall	Window Sash	Steel	Wall 2	Black	2050	Positive	73
327	Balch Hall	Grate	Steel	Wall 2	White	2050	Negative	-0.1
323	Balch Hall	Wall	Sheetrock	Wall 1	White	2050	Negative	-0.1
324	Balch Hall	Wall	Sheetrock	Wall 2	White	2050	Negative	-0.3
328	Balch Hall	Wall	Sheetrock	Wall 3	White	2050	Negative	0
325	Balch Hall	Window Molding	Wood	Wall 2	White	2050	Negative	0
300	Balch Hall	Window Sash	Steel	Wall 2	Black	2052	Positive	2.9
302	Balch Hall	Chair Rail	Wood	Wall 4	White	2052	Negative	0
301	Balch Hall	Grate	Steel	Wall 2	White	2052	Negative	0.2
297	Balch Hall	Wall	Masonry	Wall 1	White	2052	Negative	0.1
298	Balch Hall	Wall	Masonry	Wall 2	White	2052	Negative	0
303	Balch Hall	Wall	Masonry	Wall 4	White	2052	Negative	0.2
299	Balch Hall	Window Molding	Masonry	Wall 2	White	2052	Negative	0.2
287	Balch Hall	Door Molding	Steel	Wall 3	Red	2057	Positive	3.4
288	Balch Hall	Elevator Door Molding	Steel	Wall 4	Red	2057	Positive	2.8
284	Balch Hall	Door	Steel	Wall 1	Gray	2057	Negative	-0.2
286	Balch Hall	Door	Wood	Wall 3	Red	2057	Negative	0.2
283	Balch Hall	Door Molding	Wood	Wall 1	Gray	2057	Negative	-0.1
289	Balch Hall	Elevator Door	Steel	Wall 4	Red	2057	Negative	-0.1
285	Balch Hall	Pipe	Steel	Wall 1	White	2057	Negative	0.1
290	Balch Hall	Wall	Brick	Wall 4	White	2057	Negative	0
291	Balch Hall	Wall	Masonry	Wall 4	White	2057	Negative	-0.3
260	Balch Hall	Door Molding	Steel	Wall 3	Green	2058	Positive	1.1
262	Balch Hall	Ceiling	Masonry	Wall 3	Brown	2058	Negative	0.1
261	Balch Hall	Wall	Brick	Wall 3	Brown	2058	Negative	-0.2
149	Balch Hall	Door	Steel	Wall 1	Black	2127	Positive	77
154	Balch Hall	Door	Steel	Wall 3	Black	2127	Positive	77

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
147	Balch Hall	Door Molding	Wood	Wall 1	Brown	2127	Positive	4.3
153	Balch Hall	Window Sash	Steel	Wall 1	Black	2127	Positive	53
146	Balch Hall	Baseboard	Wood	Wall 1	Blue	2127	Negative	-0.2
150	Balch Hall	Chair Rail	Wood	Wall 1	Blue	2127	Negative	-0.2
148	Balch Hall	Door	Wood	Wall 1	Brown	2127	Negative	0.2
155	Balch Hall	Door Molding	Wood	Wall 3	Brown	2127	Negative	0.4
151	Balch Hall	Grate	Steel	Wall 1	Brown	2127	Negative	0
145	Balch Hall	Wall	Masonry	Wall 1	White	2127	Negative	-0.2
152	Balch Hall	Window Molding	Masonry	Wall 1	Blue	2127	Negative	0
164	Balch Hall	Radiator	Steel	Wall 3	Gray	2133	Negative	0.1
162	Balch Hall	Wall	Sheetrock	Wall 1	White	2133	Negative	0.2
163	Balch Hall	Wall	Sheetrock	Wall 3	White	2133	Negative	-0.2
170	Balch Hall	Radiator	Steel	Wall 4	Gray	2139	Positive	6.3
169	Balch Hall	Window Sash	Steel	Wall 4	Black	2139	Positive	55
167	Balch Hall	Door Molding	Steel	Wall 2	White	2139	Negative	0.6
165	Balch Hall	Wall	Sheetrock	Wall 1	White	2139	Negative	-0.1
166	Balch Hall	Wall	Sheetrock	Wall 2	White	2139	Negative	-0.1
168	Balch Hall	Window Molding	Masonry	Wall 4	White	2139	Negative	0
173	Balch Hall	Window Sash	Steel	Wall 1	Black	2153	Positive	71
177	Balch Hall	Door Molding	Steel	Wall 3	White	2153	Negative	0.5
171	Balch Hall	Radiator	Steel	Wall 1	Gray	2153	Negative	0.1
174	Balch Hall	Wall	Sheetrock	Wall 1	White	2153	Negative	-0.2
175	Balch Hall	Wall	Sheetrock	Wall 2	White	2153	Negative	-0.3
176	Balch Hall	Wall	Sheetrock	Wall 3	White	2153	Negative	-0.2
172	Balch Hall	Window Molding	Masonry	Wall 1	White	2153	Negative	-0.1
184	Balch Hall	Window Sash	Steel	Wall 3	Black	2156	Positive	70
178	Balch Hall	Door Molding	Steel	Wall 1	White	2156	Negative	-0.7
182	Balch Hall	Radiator	Steel	Wall 3	Gray	2156	Negative	0
179	Balch Hall	Wall	Sheetrock	Wall 1	White	2156	Negative	-0.2
180	Balch Hall	Wall	Sheetrock	Wall 2	White	2156	Negative	-0.4
181	Balch Hall	Wall	Sheetrock	Wall 3	White	2156	Negative	-0.3
185	Balch Hall	Wall	Sheetrock	Wall 3	White	2156	Negative	-0.1
183	Balch Hall	Window Molding	Masonry	Wall 3	White	2156	Negative	-0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
189	Balch Hall	Window Sash	Steel	Wall 1	Black	2159	Positive	77
190	Balch Hall	Door Molding	Steel	Wall 3	White	2159	Negative	0.6
187	Balch Hall	Radiator	Steel	Wall 1	Gray	2159	Negative	0.2
186	Balch Hall	Wall	Sheetrock	Wall 1	White	2159	Negative	-0.3
191	Balch Hall	Wall	Sheetrock	Wall 3	White	2159	Negative	-0.3
188	Balch Hall	Window Molding	Masonry	Wall 1	White	2159	Negative	0
208	Balch Hall	Window Sash	Steel	Wall 4	Black	2162	Positive	74
207	Balch Hall	Door Molding	Steel	Wall 2	White	2162	Negative	0
210	Balch Hall	Radiator	Steel	Wall 4	Gray	2162	Negative	0.6
205	Balch Hall	Wall	Sheetrock	Wall 1	White	2162	Negative	-0.3
206	Balch Hall	Wall	Sheetrock	Wall 2	White	2162	Negative	-0.2
209	Balch Hall	Window Molding	Masonry	Wall 4	White	2162	Negative	0
195	Balch Hall	Window Sash	Steel	Wall 1	Black	2167	Positive	75
193	Balch Hall	Ceiling	Sheetrock	Wall 1	White	2167	Negative	-0.2
196	Balch Hall	Radiator	Steel	Wall 2	Gray	2167	Negative	-0.1
192	Balch Hall	Wall	Sheetrock	Wall 1	White	2167	Negative	-0.4
198	Balch Hall	Wall	Sheetrock	Wall 4	White	2167	Negative	-0.1
194	Balch Hall	Window Molding	Masonry	Wall 1	White	2167	Negative	-0.2
197	Balch Hall	Window Molding	Steel	Wall 4	White	2167	Negative	0.2
216	Balch Hall	Chair Rail	Wood	Wall 2	White	2223	Positive	1.2
211	Balch Hall	Window Sash	Steel	Wall 1	Black	2223	Positive	72
214	Balch Hall	Door	Wood	Wall 2	White	2223	Negative	0.4
215	Balch Hall	Door Molding	Steel	Wall 2	White	2223	Negative	0.3
213	Balch Hall	Grate	Steel	Wall 1	White	2223	Negative	0.1
212	Balch Hall	Window Molding	Masonry	Wall 1	White	2223	Negative	0
230	Balch Hall	Door Molding	Steel	Wall 1	White	2232	Negative	0.1
229	Balch Hall	Wall	Sheetrock	Wall 1	White	2232	Negative	0.3
226	Balch Hall	Window Sash	Steel	Wall 1	Black	2233	Positive	50
227	Balch Hall	Door Molding	Steel	Wall 3	White	2233	Negative	0.1
224	Balch Hall	Grate	Steel	Wall 1	White	2233	Negative	0
223	Balch Hall	Wall	Sheetrock	Wall 1	White	2233	Negative	-0.2
228	Balch Hall	Wall	Sheetrock	Wall 3	White	2233	Negative	0.1
225	Balch Hall	Window Molding	Masonry	Wall 1	White	2233	Negative	0

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
236	Balch Hall	Window Sash	Steel	Wall 2	Black	2245	Positive	2.5
238	Balch Hall	Door Molding	Wood	Wall 3	Brown	2245	Negative	-0.3
237	Balch Hall	Window Molding	Wood	Wall 2	White	2245	Negative	0.1
313	Balch Hall	Window Sash	Steel	Wall 2	Black	2327	Positive	78
309	Balch Hall	Ceiling	Sheetrock	Wall 1	White	2327	Negative	0.3
315	Balch Hall	Door Molding	Steel	Wall 4	White	2327	Negative	0.5
314	Balch Hall	Radiator	Steel	Wall 2	Gray	2327	Negative	0.1
310	Balch Hall	Wall	Sheetrock	Wall 1	White	2327	Negative	0.5
311	Balch Hall	Wall	Sheetrock	Wall 2	White	2327	Negative	-0.1
312	Balch Hall	Window Molding	Masonry	Wall 2	White	2327	Negative	0.1
350	Balch Hall	Access Door	Steel	Wall 2	White	2332	Negative	0
352	Balch Hall	Radiator	Steel	Wall 4	White	2332	Negative	0
348	Balch Hall	Wall	Sheetrock	Wall 1	White	2332	Negative	-0.4
349	Balch Hall	Wall	Sheetrock	Wall 2	White	2332	Negative	-0.1
351	Balch Hall	Wall	Masonry	Wall 4	White	2332	Negative	0.6
308	Balch Hall	Ceiling	Sheetrock	Wall 3	White	2334	Negative	-0.1
304	Balch Hall	Wall	Sheetrock	Wall 1	White	2334	Negative	0
305	Balch Hall	Wall	Ceramic	Wall 1	Brown	2334	Negative	0.1
306	Balch Hall	Wall	Ceramic	Wall 3	Brown	2334	Negative	0
307	Balch Hall	Wall	Sheetrock	Wall 3	White	2334	Negative	-0.2
331	Balch Hall	Ceiling	Sheetrock	Wall 2	White	2336	Negative	-0.1
332	Balch Hall	Door Molding	Steel	Wall 2	White	2336	Negative	0
329	Balch Hall	Wall	Sheetrock	Wall 1	White	2336	Negative	-0.1
330	Balch Hall	Wall	Sheetrock	Wall 2	White	2336	Negative	0.2
333	Balch Hall	Wall	Sheetrock	Wall 3	White	2336	Negative	0.1
337	Balch Hall	Door Molding	Steel	Wall 1	White	2344	Negative	0
338	Balch Hall	Wall	Sheetrock	Wall 1	White	2344	Negative	0
339	Balch Hall	Wall	Sheetrock	Wall 2	White	2344	Negative	0.1
340	Balch Hall	Wall	Sheetrock	Wall 3	White	2344	Negative	-0.1
341	Balch Hall	Window Molding	Wood	Wall 3	White	2344	Negative	-0.2
336	Balch Hall	Door Molding	Steel	Wall 3	White	2351	Negative	0.4
335	Balch Hall	Radiator	Steel	Wall 1	Brown	2351	Negative	-0.1
334	Balch Hall	Wall	Sheetrock	Wall 1	White	2351	Negative	0.5

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
282	Balch Hall	Sink	Steel	Wall 4	White	2411	Positive	25.7
278	Balch Hall	Door	Steel	Wall 1	Brown	2411	Negative	0.1
279	Balch Hall	Door	Steel	Wall 4	Gray	2411	Negative	-0.2
277	Balch Hall	Door Molding	Steel	Wall 1	Green	2411	Negative	0.1
275	Balch Hall	Wall	Ceramic	Wall 1	Brown	2411	Negative	0
276	Balch Hall	Wall	Brick	Wall 1	Brown	2411	Negative	-0.4
280	Balch Hall	Wall	Ceramic	Wall 4	Brown	2411	Negative	0
281	Balch Hall	Wall	Masonry	Wall 4	Brown	2411	Negative	-0.3
273	Balch Hall	Window Sash	Wood	Wall 1	Blue	2413	Positive	6.4
270	Balch Hall	Door Molding	Steel	Wall 3	Blue	2413	Negative	0.7
272	Balch Hall	Floor	Steel	Wall 4	Brown	2413	Negative	-0.2
269	Balch Hall	Pipe	Steel	Wall 1	White	2413	Negative	-0.2
268	Balch Hall	Wall	Brick	Wall 1	Blue	2413	Negative	0.1
271	Balch Hall	Wall	Masonry	Wall 4	Blue	2413	Negative	-0.3
274	Balch Hall	Window Molding	Wood	Wall 1	Blue	2413	Negative	-0.1
267	Balch Hall	Ceiling	Masonry	Wall 1	White	2415	Negative	-0.3
266	Balch Hall	Door	Steel	Wall 1	White	2415	Negative	-0.3
264	Balch Hall	Door Molding	Steel	Wall 1	Gray	2415	Negative	0.1
265	Balch Hall	Door Molding	Steel	Wall 1	Gray	2415	Negative	-0.1
263	Balch Hall	Wall	Masonry	Wall 1	White	2415	Negative	-0.2
255	Balch Hall	Door Molding	Steel	Wall 1	White	2420	Negative	0.1
259	Balch Hall	Radiator	Steel	Wall 3	White	2420	Negative	0
257	Balch Hall	Support Post	Brick	Wall 2	Blue	2420	Negative	-0.2
256	Balch Hall	Wall	Brick	Wall 1	White	2420	Negative	-0.1
258	Balch Hall	Wall	Masonry	Wall 3	White	2420	Negative	0.1
251	Balch Hall	Window Sash	Wood	Wall 1	Brown	2423	Positive	5.6
254	Balch Hall	Door Molding	Steel	Wall 3	Brown	2423	Negative	0.6
248	Balch Hall	Floor	Masonry	Wall 1	Brown	2423	Negative	0
249	Balch Hall	Wall	Brick	Wall 1	Brown	2423	Negative	0.3
252	Balch Hall	Wall	Masonry	Wall 2	Brown	2423	Negative	-0.3
253	Balch Hall	Wall	Brick	Wall 3	Brown	2423	Negative	-0.1
250	Balch Hall	Window Molding	Wood	Wall 1	Brown	2423	Negative	0.1
243	Balch Hall	Window Sash	Wood	Wall 1	White	2425	Positive	3.8

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
247	Balch Hall	Door Molding	Steel	Wall 3	White	2425	Negative	0.4
246	Balch Hall	Floor	Ceramic	Wall 3	Gray	2425	Negative	-0.2
241	Balch Hall	Wall	Masonry	Wall 1	White	2425	Negative	-0.1
244	Balch Hall	Wall	Ceramic	Wall 2	Gray	2425	Negative	0
245	Balch Hall	Wall	Ceramic	Wall 3	Gray	2425	Negative	-0.9
242	Balch Hall	Window Molding	Wood	Wall 1	White	2425	Negative	0.5
239	Balch Hall	Door Molding	Steel	Wall 1	Green	2426	Negative	0.4
240	Balch Hall	Wall	Brick	Wall 1	Brown	2426	Negative	-0.3
294	Balch Hall	Door Molding	Steel	Wall 4	White	2428	Negative	-0.6
292	Balch Hall	Wall	Brick	Wall 1	White	2428	Negative	-0.4
293	Balch Hall	Wall	Masonry	Wall 2	White	2428	Negative	-0.1
326	Balch Hall	Ceiling	Sheetrock	Wall 1	White	3020	Negative	0
327	Balch Hall	Grate	Steel	Wall 1	Gray	3020	Negative	0.1
328	Balch Hall	Wall	Ceramic	Wall 1	Brown	3020	Negative	0.6
329	Balch Hall	Wall	Ceramic	Wall 3	Brown	3020	Negative	-0.6
189	Balch Hall	Ceiling	Sheetrock	Wall 1	White	3029	Negative	0
191	Balch Hall	Door Molding	Steel	Wall 2	White	3029	Negative	0.3
192	Balch Hall	Radiator	Steel	Wall 3	Gray	3029	Negative	0.4
188	Balch Hall	Wall	Ceramic	Wall 1	Brown	3029	Negative	0.5
190	Balch Hall	Wall	Ceramic	Wall 2	Brown	3029	Negative	0.5
355	Balch Hall	Floor	Ceramic	Wall 2	Gray	3030	Negative	-0.8
351	Balch Hall	Wall	Ceramic	Wall 1	Gray	3030	Negative	-0.8
352	Balch Hall	Wall	Sheetrock	Wall 1	White	3030	Negative	-0.1
353	Balch Hall	Wall	Sheetrock	Wall 2	White	3030	Negative	0
354	Balch Hall	Wall	Ceramic	Wall 2	Gray	3030	Negative	-0.8
361	Balch Hall	Window Sash	Steel	Wall 3	Black	3055	Positive	3.2
358	Balch Hall	Baseboard	Wood	Wall 3	Pink	3055	Negative	0.4
363	Balch Hall	Ceiling	Sheetrock	Wall 3	White	3055	Negative	-0.2
357	Balch Hall	Chair Rail	Wood	Wall 3	Pink	3055	Negative	0.7
359	Balch Hall	Grate	Steel	Wall 3	Pink	3055	Negative	0
362	Balch Hall	Wall	Sheetrock	Wall 3	White	3055	Negative	0
360	Balch Hall	Window Molding	Masonry	Wall 3	Pink	3055	Negative	0.1
349	Balch Hall	Grate	Steel	Wall 1	White	3061	Negative	-0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
348	Balch Hall	Wall	Sheetrock	Wall 1	White	3061	Negative	-0.3
350	Balch Hall	Wall	Sheetrock	Wall 3	White	3061	Negative	-0.1
300	Balch Hall	Radiator	Steel	Wall 2	Gray	3113	Positive	1.2
299	Balch Hall	Wall	Sheetrock	Wall 2	White	3113	Positive	7.4
303	Balch Hall	Wall	Sheetrock	Wall 2	White	3113	Positive	8.4
302	Balch Hall	Window Sash	Steel	Wall 2	Black	3113	Positive	76
304	Balch Hall	Door Molding	Steel	Wall 4	White	3113	Negative	0.1
298	Balch Hall	Wall	Sheetrock	Wall 1	White	3113	Negative	0.4
301	Balch Hall	Window Molding	Masonry	Wall 2	White	3113	Negative	0
297	Balch Hall	Window Sash	Steel	Wall 4	Black	3114	Positive	77
292	Balch Hall	Door Molding	Steel	Wall 1	White	3114	Negative	0.8
293	Balch Hall	Door Molding	Steel	Wall 2	White	3114	Negative	0.4
294	Balch Hall	Wall	Sheetrock	Wall 2	White	3114	Negative	-0.2
295	Balch Hall	Wall	Sheetrock	Wall 4	White	3114	Negative	-0.2
296	Balch Hall	Window Molding	Masonry	Wall 4	White	3114	Negative	-0.1
313	Balch Hall	Door Molding	Steel	Wall 1	White	3123	Negative	0.1
314	Balch Hall	Radiator	Steel	Wall 2	Gray	3123	Negative	0.2
312	Balch Hall	Wall	Sheetrock	Wall 1	White	3123	Negative	0.1
315	Balch Hall	Wall	Sheetrock	Wall 4	White	3123	Negative	0.3
319	Balch Hall	Radiator	Steel	Wall 3	Gray	3126	Positive	1
318	Balch Hall	Window Sash	Steel	Wall 3	Black	3126	Positive	75
317	Balch Hall	Door Molding	Steel	Wall 1	White	3126	Negative	0.3
316	Balch Hall	Wall	Sheetrock	Wall 1	White	3126	Negative	-0.1
311	Balch Hall	Floor	Masonry	Wall 3	Brown	3129	Negative	0
309	Balch Hall	Wall	Sheetrock	Wall 1	White	3129	Negative	-0.2
310	Balch Hall	Wall	Sheetrock	Wall 3	White	3129	Negative	-0.1
325	Balch Hall	Window Sash	Steel	Wall 4	Black	3134	Positive	78
322	Balch Hall	Baseboard	Wood	Wall 2	Brown	3134	Negative	0.1
321	Balch Hall	Door Molding	Steel	Wall 2	White	3134	Negative	0.3
320	Balch Hall	Wall	Sheetrock	Wall 1	White	3134	Negative	0.3
323	Balch Hall	Wall	Sheetrock	Wall 4	White	3134	Negative	0.1
324	Balch Hall	Window Molding	Masonry	Wall 4	White	3134	Negative	0.1
306	Balch Hall	Radiator	Steel	Wall 2	Gray	3145	Positive	5.7

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
307	Balch Hall	Window Sash	Steel	Wall 2	Black	3145	Positive	75
305	Balch Hall	Door Molding	Steel	Wall 1	White	3145	Negative	0.3
308	Balch Hall	Wall Molding	Masonry	Wall 2	White	3145	Negative	0
291	Balch Hall	Door Molding	Steel	Wall 3	White	3153	Negative	0.6
289	Balch Hall	Wall	Sheetrock	Wall 2	White	3153	Negative	0.1
290	Balch Hall	Wall	Sheetrock	Wall 3	White	3153	Negative	-0.1
286	Balch Hall	Radiator	Steel	Wall 3	Gray	3156	Positive	8
288	Balch Hall	Window Sash	Steel	Wall 3	Black	3156	Positive	75
283	Balch Hall	Baseboard	Wood	Wall 1	Brown	3156	Negative	0.1
282	Balch Hall	Door Molding	Steel	Wall 1	White	3156	Negative	0.5
284	Balch Hall	Wall	Sheetrock	Wall 2	White	3156	Negative	0
285	Balch Hall	Wall	Sheetrock	Wall 3	White	3156	Negative	0.3
287	Balch Hall	Window Molding	Masonry	Wall 3	White	3156	Negative	0.1
281	Balch Hall	Door Molding	Steel	Wall 4	White	3163	Positive	3.2
280	Balch Hall	Window Sash	Steel	Wall 2	Black	3163	Positive	76
278	Balch Hall	Radiator	Steel	Wall 2	Gray	3163	Negative	0.2
276	Balch Hall	Wall	Sheetrock	Wall 1	White	3163	Negative	0
277	Balch Hall	Wall	Sheetrock	Wall 2	White	3163	Negative	-0.2
279	Balch Hall	Window Molding	Masonry	Wall 2	White	3163	Negative	-0.2
272	Balch Hall	Radiator	Steel	Wall 4	Gray	3166	Positive	8
273	Balch Hall	Window Sash	Steel	Wall 4	Black	3166	Positive	72
268	Balch Hall	Door Molding	Steel	Wall 1	White	3166	Negative	0.2
271	Balch Hall	Door Molding	Steel	Wall 2	White	3166	Negative	0
269	Balch Hall	Wall	Sheetrock	Wall 1	White	3166	Negative	0
270	Balch Hall	Wall	Sheetrock	Wall 2	White	3166	Negative	-0.1
275	Balch Hall	Wall	Sheetrock	Wall 4	White	3166	Negative	0
274	Balch Hall	Window Molding	Masonry	Wall 4	White	3166	Negative	0.1
267	Balch Hall	Door Molding	Steel	Wall 3	White	3223	Positive	2.9
261	Balch Hall	Radiator	Steel	Wall 1	Gray	3223	Positive	6.7
263	Balch Hall	Window Sash	Steel	Wall 1	Black	3223	Positive	76
264	Balch Hall	Wall	Sheetrock	Wall 1	White	3223	Negative	0
265	Balch Hall	Wall	Sheetrock	Wall 2	White	3223	Negative	0.3
266	Balch Hall	Wall	Sheetrock	Wall 3	White	3223	Negative	0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
262	Balch Hall	Window Molding	Masonry	Wall 1	White	3223	Negative	0.1
247	Balch Hall	Chair Rail	Wood	Wall 1	White	3234	Positive	1
249	Balch Hall	Window Sash	Steel	Wall 3	Black	3234	Positive	75
246	Balch Hall	Baseboard	Wood	Wall 1	Brown	3234	Negative	0.1
245	Balch Hall	Door Molding	Steel	Wall 1	White	3234	Negative	0.4
248	Balch Hall	Grate	Steel	Wall 3	White	3234	Negative	0.1
251	Balch Hall	Wall	Sheetrock	Wall 3	White	3234	Negative	-0.1
252	Balch Hall	Wall	Sheetrock	Wall 4	White	3234	Negative	-0.1
250	Balch Hall	Window Molding	Masonry	Wall 3	White	3234	Negative	-0.1
257	Balch Hall	Window Sash	Steel	Wall 1	Black	3237	Positive	53
260	Balch Hall	Door Molding	Steel	Wall 3	White	3237	Negative	0.5
255	Balch Hall	Radiator	Steel	Wall 1	Gray	3237	Negative	0.4
253	Balch Hall	Wall	Sheetrock	Wall 1	White	3237	Negative	0
254	Balch Hall	Wall	Sheetrock	Wall 1	White	3237	Negative	0
258	Balch Hall	Wall	Sheetrock	Wall 2	White	3237	Negative	0.1
259	Balch Hall	Wall	Sheetrock	Wall 3	White	3237	Negative	0.2
256	Balch Hall	Window Molding	Masonry	Wall 1	White	3237	Negative	0.1
195	Balch Hall	Radiator	Steel	Wall 2	Gray	3257	Positive	3
197	Balch Hall	Window Sash	Steel	Wall 2	Black	3257	Positive	75
194	Balch Hall	Door Molding	Steel	Wall 1	White	3257	Negative	0.2
199	Balch Hall	Door Molding	Steel	Wall 4	White	3257	Negative	0.5
193	Balch Hall	Wall	Sheetrock	Wall 1	White	3257	Negative	-0.1
198	Balch Hall	Wall	Sheetrock	Wall 4	White	3257	Negative	-0.1
196	Balch Hall	Window Molding	Masonry	Wall 2	White	3257	Negative	-0.1
202	Balch Hall	Window Sash	Steel	Wall 2	Black	3259	Positive	73
203	Balch Hall	Fire Place	Brick	Wall 3	Black	3259	Negative	-0.1
204	Balch Hall	Fire Place	Brick	Wall 3	Black	3259	Negative	-0.3
200	Balch Hall	Wall	Sheetrock	Wall 1	Pink	3259	Negative	0.4
201	Balch Hall	Window Molding	Masonry	Wall 2	Pink	3259	Negative	-0.2
206	Balch Hall	Baseboard	Wood	Wall 1	Brown	3263	Positive	5.2
213	Balch Hall	Door	Steel	Wall 3	Black	3263	Positive	61
208	Balch Hall	Window Sash	Steel	Wall 1	Black	3263	Positive	78
212	Balch Hall	Door	Wood	Wall 3	Brown	3263	Negative	0

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
211	Balch Hall	Door Molding	Wood	Wall 3	Brown	3263	Negative	0
209	Balch Hall	Grate	Steel	Wall 1	Brown	3263	Negative	0.1
205	Balch Hall	Wall	Sheetrock	Wall 1	White	3263	Negative	0
210	Balch Hall	Wall	Sheetrock	Wall 4	White	3263	Negative	-0.3
207	Balch Hall	Window Molding	Masonry	Wall 1	Brown	3263	Negative	-0.2
216	Balch Hall	Baseboard	Steel	Wall 1	Brown	3264	Negative	-0.2
218	Balch Hall	Ceiling	Sheetrock	Wall 2	Brown	3264	Negative	0.1
215	Balch Hall	Door Molding	Steel	Wall 1	Brown	3264	Negative	0.1
214	Balch Hall	Wall	Sheetrock	Wall 1	Brown	3264	Negative	-0.2
217	Balch Hall	Wall	Sheetrock	Wall 2	Brown	3264	Negative	-0.2
219	Balch Hall	Wall	Sheetrock	Wall 3	Brown	3264	Negative	-0.3
240	Balch Hall	Baseboard	Wood	Wall 3	White	3270	Positive	3.7
241	Balch Hall	Chair Rail	Wood	Wall 3	White	3270	Positive	1.7
237	Balch Hall	Grate	Steel	Wall 1	White	3270	Positive	1
235	Balch Hall	Window Sash	Steel	Wall 1	Black	3270	Positive	74
244	Balch Hall	Ceiling Molding	Wood	Wall 3	White	3270	Negative	0.3
243	Balch Hall	Door	Wood	Wall 3	White	3270	Negative	0.2
242	Balch Hall	Door Molding	Wood	Wall 3	White	3270	Negative	0.6
238	Balch Hall	Wall	Sheetrock	Wall 2	Brown	3270	Negative	-0.3
239	Balch Hall	Wall	Sheetrock	Wall 3	Brown	3270	Negative	-0.4
236	Balch Hall	Window Molding	Masonry	Wall 1	White	3270	Negative	0
230	Balch Hall	Radiator	Steel	Wall 1	Gray	3273	Positive	2.3
228	Balch Hall	Window Sash	Steel	Wall 1	Black	3273	Positive	75
234	Balch Hall	Door Molding	Steel	Wall 3	White	3273	Negative	0.8
231	Balch Hall	Wall	Sheetrock	Wall 1	White	3273	Negative	0.1
232	Balch Hall	Wall	Sheetrock	Wall 2	White	3273	Negative	0
233	Balch Hall	Wall	Sheetrock	Wall 3	White	3273	Negative	0
229	Balch Hall	Window Molding	Masonry	Wall 1	White	3273	Negative	0.1
227	Balch Hall	Window Sash	Steel	Wall 4	Black	3276	Positive	77
222	Balch Hall	Baseboard	Wood	Wall 1	Brown	3276	Negative	0
221	Balch Hall	Door Molding	Steel	Wall 1	White	3276	Negative	0.1
225	Balch Hall	Radiator	Steel	Wall 4	Gray	3276	Negative	-0.2
220	Balch Hall	Wall	Sheetrock	Wall 1	White	3276	Negative	-0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
223	Balch Hall	Wall	Sheetrock	Wall 3	White	3276	Negative	-0.2
224	Balch Hall	Wall	Sheetrock	Wall 4	White	3276	Negative	-0.3
226	Balch Hall	Window Molding	Masonry	Wall 4	White	3276	Negative	0.1
335	Balch Hall	Window Sash	Steel	Wall 2	Black	3315	Positive	73
332	Balch Hall	Wall	Sheetrock	Wall 1	White	3315	Negative	-0.2
333	Balch Hall	Wall	Sheetrock	Wall 2	White	3315	Negative	0.1
336	Balch Hall	Wall	Sheetrock	Wall 3	White	3315	Negative	-0.2
334	Balch Hall	Window Molding	Masonry	Wall 2	White	3315	Negative	0.1
339	Balch Hall	Window Sash	Steel	Wall 2	Black	3324	Positive	69
337	Balch Hall	Wall	Sheetrock	Wall 1	White	3324	Negative	-0.2
338	Balch Hall	Window Molding	Masonry	Wall 2	White	3324	Negative	0.1
340	Balch Hall	Window Sash	Steel	Wall 1	Black	3330	Positive	71
343	Balch Hall	Ceiling	Sheetrock	Wall 1	White	3330	Negative	-0.1
341	Balch Hall	Wall	Sheetrock	Wall 1	White	3330	Negative	0
342	Balch Hall	Wall	Sheetrock	Wall 2	White	3330	Negative	-0.1
345	Balch Hall	Window Sash	Steel	Wall 1	Black	3331	Positive	73
344	Balch Hall	Ceiling	Sheetrock	Wall 1	White	3331	Negative	-0.2
346	Balch Hall	Wall	Sheetrock	Wall 2	White	3331	Negative	-0.4
347	Balch Hall	Wall	Sheetrock	Wall 3	White	3331	Negative	0
356	Balch Hall	Wall	Sheetrock	Wall 3	Brown	3342	Negative	-0.1
372	Balch Hall	Window Sash	Steel	Wall 4	Black	3432	Positive	72
366	Balch Hall	Baseboard	Wood	Wall 1	Brown	3432	Negative	0.1
364	Balch Hall	Ceiling	Sheetrock	Wall 1	White	3432	Negative	-0.2
367	Balch Hall	Door Molding	Steel	Wall 2	White	3432	Negative	0.6
370	Balch Hall	Radiator	Steel	Wall 4	Gray	3432	Negative	-0.1
365	Balch Hall	Wall	Sheetrock	Wall 1	White	3432	Negative	-0.1
368	Balch Hall	Wall	Sheetrock	Wall 2	White	3432	Negative	0
369	Balch Hall	Wall	Sheetrock	Wall 4	White	3432	Negative	-0.1
371	Balch Hall	Window Molding	Masonry	Wall 4	White	3432	Negative	0.2
375	Balch Hall	Radiator	Steel	Wall 2	Gray	3443	Positive	5.2
373	Balch Hall	Window Sash	Steel	Wall 2	Black	3443	Positive	77
378	Balch Hall	Door Molding	Steel	Wall 4	White	3443	Negative	0.3
376	Balch Hall	Wall	Sheetrock	Wall 2	White	3443	Negative	-0.3

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
377	Balch Hall	Wall	Sheetrock	Wall 4	White	3443	Negative	-0.2
374	Balch Hall	Window Molding	Masonry	Wall 2	White	3443	Negative	0.1
382	Balch Hall	Window Sash	Steel	Wall 2	Black	3464	Positive	68
383	Balch Hall	Door Molding	Steel	Wall 4	White	3464	Negative	0.4
379	Balch Hall	Wall	Sheetrock	Wall 1	White	3464	Negative	-0.3
380	Balch Hall	Wall	Sheetrock	Wall 2	White	3464	Negative	-0.1
381	Balch Hall	Window Molding	Masonry	Wall 2	White	3464	Negative	0.2
387	Balch Hall	Window Sash	Steel	Wall 1	Black	3473	Positive	75
388	Balch Hall	Door Molding	Steel	Wall 3	White	3473	Negative	0.6
385	Balch Hall	Radiator	Steel	Wall 1	Gray	3473	Negative	0
384	Balch Hall	Wall	Sheetrock	Wall 1	White	3473	Negative	-0.2
386	Balch Hall	Window Molding	Masonry	Wall 1	White	3473	Negative	0.3
389	Balch Hall	Door Molding	Steel	Wall 1	White	3482	Positive	4.8
395	Balch Hall	Window Sash	Steel	Wall 3	Black	3482	Positive	76
391	Balch Hall	Ceiling	Sheetrock	Wall 1	White	3482	Negative	-0.4
393	Balch Hall	Radiator	Steel	Wall 3	Gray	3482	Negative	0.4
390	Balch Hall	Wall	Sheetrock	Wall 1	White	3482	Negative	-0.3
392	Balch Hall	Wall	Sheetrock	Wall 3	White	3482	Negative	0.1
394	Balch Hall	Window Molding	Masonry	Wall 3	White	3482	Negative	0.2
182	Balch Hall	Baluster	Steel	Wall 1	Black	4004	Positive	1.8
183	Balch Hall	Newel Post	Steel	Wall 1	Black	4004	Positive	4.1
181	Balch Hall	Riser	Steel	Wall 1	Black	4004	Positive	1.4
180	Balch Hall	Stringer	Steel	Wall 1	Black	4004	Positive	2.1
184	Balch Hall	Window Sash	Steel	Wall 4	Black	4004	Positive	76
186	Balch Hall	Radiator	Steel	Wall 4	Gray	4004	Negative	0.2
187	Balch Hall	Wall	Sheetrock	Wall 4	White	4004	Negative	-0.2
185	Balch Hall	Window Molding	Masonry	Wall 4	White	4004	Negative	0
56	Balch Hall	Window Sash	Steel	Wall 3	Black	4020	Positive	75
52	Balch Hall	Ceiling	Sheetrock	Wall 1	White	4020	Negative	0
53	Balch Hall	Door Molding	Steel	Wall 2	White	4020	Negative	0.7
57	Balch Hall	Radiator	Steel	Wall 3	Gray	4020	Negative	-0.2
51	Balch Hall	Wall	Ceramic	Wall 1	Brown	4020	Negative	-0.3
54	Balch Hall	Wall	Ceramic	Wall 3	Brown	4020	Negative	-0.6

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
55	Balch Hall	Window Molding	Masonry	Wall 3	White	4020	Negative	0
107	Balch Hall	Wall	Ceramic	Wall 1	Brown	4022	Negative	0.7
108	Balch Hall	Wall	Ceramic	Wall 4	Brown	4022	Negative	0.5
97	Balch Hall	Radiator	Steel	Wall 3	Gray	4047	Positive	1.2
95	Balch Hall	Window Sash	Steel	Wall 3	Black	4047	Positive	73
98	Balch Hall	Wall	Sheetrock	Wall 3	White	4047	Negative	-0.3
99	Balch Hall	Wall	Sheetrock	Wall 4	White	4047	Negative	-0.3
96	Balch Hall	Window Molding	Masonry	Wall 3	White	4047	Negative	-0.2
23	Balch Hall	Radiator	Steel	Wall 3	Gray	4053	Positive	1.5
25	Balch Hall	Window Sash	Steel	Wall 3	Black	4053	Positive	69
21	Balch Hall	Ceiling	Sheetrock	Wall 2	White	4053	Negative	0.4
19	Balch Hall	Door Molding	Steel	Wall 2	White	4053	Negative	0.2
20	Balch Hall	Wall	Sheetrock	Wall 2	White	4053	Negative	0.2
22	Balch Hall	Wall	Sheetrock	Wall 3	White	4053	Negative	-0.1
24	Balch Hall	Window Molding	Masonry	Wall 3	White	4053	Negative	0.2
464	Balch Hall	Ceiling	Sheetrock	Wall 2	White	4054	Negative	0
465	Balch Hall	Door Molding	Steel	Wall 2	White	4054	Negative	0.7
463	Balch Hall	Wall	Sheetrock	Wall 2	White	4054	Negative	-0.2
466	Balch Hall	Wall	Sheetrock	Wall 4	White	4054	Negative	-0.4
7	Balch Hall	Radiator	Steel	Wall 4	Gray	4114	Positive	17.7
9	Balch Hall	Window Sash	Steel	Wall 4	Black	4114	Positive	74
10	Balch Hall	Ceiling	Sheetrock	Wall 4	White	4114	Negative	-0.1
6	Balch Hall	Door Molding	Steel	Wall 2	White	4114	Negative	0
4	Balch Hall	Wall	Sheetrock	Wall 1	White	4114	Negative	0.1
5	Balch Hall	Wall	Sheetrock	Wall 2	White	4114	Negative	0
8	Balch Hall	Window Molding	Masonry	Wall 4	White	4114	Negative	0
11	Balch Hall	Ceiling	Sheetrock	Wall 1	White	4117	Negative	-0.2
17	Balch Hall	Door Molding	Steel	Wall 4	White	4117	Negative	0.6
14	Balch Hall	Radiator	Steel	Wall 2	Gray	4117	Negative	0.2
12	Balch Hall	Wall	Sheetrock	Wall 1	White	4117	Negative	-0.2
13	Balch Hall	Wall	Sheetrock	Wall 2	White	4117	Negative	-0.4
18	Balch Hall	Wall	Sheetrock	Wall 4	White	4117	Negative	-0.2
16	Balch Hall	Window Sash	Steel	Wall 2	Gray	4117	Negative	0.2

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
15	Balch Hall	Window Molding	Wood	Wall 2	White	4117	Negative	-0.3
28	Balch Hall	Wall	Sheetrock	Wall 2	White	4122	Positive	3.2
31	Balch Hall	Window Sash	Steel	Wall 2	Black	4122	Positive	78
25	Balch Hall	Baseboard	Wood	Wall 1	Brown	4122	Negative	-0.1
26	Balch Hall	Ceiling	Sheetrock	Wall 1	White	4122	Negative	0
24	Balch Hall	Door Molding	Steel	Wall 1	White	4122	Negative	0.5
29	Balch Hall	Radiator	Steel	Wall 2	Gray	4122	Negative	0.8
27	Balch Hall	Wall	Sheetrock	Wall 1	White	4122	Negative	0.1
32	Balch Hall	Wall	Sheetrock	Wall 3	White	4122	Negative	0
30	Balch Hall	Window Molding	Masonry	Wall 2	White	4122	Negative	0.1
34	Balch Hall	Ceiling	Sheetrock	Wall 1	White	4126	Negative	-0.1
37	Balch Hall	Pipe	Steel	Wall 3	White	4126	Negative	0
33	Balch Hall	Wall	Sheetrock	Wall 1	White	4126	Negative	-0.1
36	Balch Hall	Wall	Sheetrock	Wall 3	White	4126	Negative	-0.1
35	Balch Hall	Window Molding	Steel	Wall 1	White	4126	Negative	0.5
41	Balch Hall	Radiator	Steel	Wall 2	Gray	4133	Positive	7.2
39	Balch Hall	Baseboard	Wood	Wall 1	Brown	4133	Negative	0
44	Balch Hall	Door Molding	Steel	Wall 4	White	4133	Negative	0.6
38	Balch Hall	Wall	Sheetrock	Wall 1	White	4133	Negative	-0.2
40	Balch Hall	Wall	Sheetrock	Wall 2	White	4133	Negative	0.5
43	Balch Hall	Window Sash	Steel	Wall 2	Gray	4133	Negative	0
42	Balch Hall	Window Molding	Wood	Wall 2	White	4133	Negative	-0.2
45	Balch Hall	Door Molding	Steel	Wall 2	White	4136	Negative	0.4
48	Balch Hall	Radiator	Steel	Wall 4	Gray	4136	Negative	0.5
46	Balch Hall	Wall	Sheetrock	Wall 2	White	4136	Negative	0.1
47	Balch Hall	Wall	Sheetrock	Wall 4	White	4136	Negative	0.2
50	Balch Hall	Window Sash	Steel	Wall 4	Gray	4136	Negative	0
49	Balch Hall	Window Molding	Wood	Wall 4	White	4136	Negative	-0.2
20	Balch Hall	Radiator	Steel	Wall 2	Gray	4143	Positive	9.8
23	Balch Hall	Door Molding	Steel	Wall 4	White	4143	Negative	0.7
19	Balch Hall	Wall	Sheetrock	Wall 1	White	4143	Negative	-0.1
21	Balch Hall	Wall	Sheetrock	Wall 2	White	4143	Negative	-0.1
22	Balch Hall	Wall	Sheetrock	Wall 4	White	4143	Negative	0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
61	Balch Hall	Wall	Sheetrock	Wall 1	White	4147	Positive	9.3
63	Balch Hall	Ceiling	Sheetrock	Wall 2	White	4147	Negative	-0.4
65	Balch Hall	Door Molding	Steel	Wall 3	White	4147	Negative	0.4
58	Balch Hall	Radiator	Steel	Wall 1	Gray	4147	Negative	0.6
62	Balch Hall	Wall	Sheetrock	Wall 2	White	4147	Negative	-0.1
64	Balch Hall	Wall	Sheetrock	Wall 3	White	4147	Negative	-0.2
60	Balch Hall	Window Sash	Steel	Wall 1	Gray	4147	Negative	0.1
59	Balch Hall	Window Molding	Wood	Wall 1	White	4147	Negative	-0.1
66	Balch Hall	Door Molding	Steel	Wall 1	White	4152	Positive	3.1
73	Balch Hall	Radiator	Steel	Wall 3	Gray	4152	Positive	13.4
75	Balch Hall	Window Sash	Steel	Wall 3	Black	4152	Positive	74
69	Balch Hall	Baseboard	Wood	Wall 1	Brown	4152	Negative	0
68	Balch Hall	Ceiling	Sheetrock	Wall 1	White	4152	Negative	0.2
67	Balch Hall	Wall	Sheetrock	Wall 1	White	4152	Negative	0.2
70	Balch Hall	Wall	Sheetrock	Wall 2	White	4152	Negative	-0.1
71	Balch Hall	Wall	Sheetrock	Wall 3	White	4152	Negative	0.2
72	Balch Hall	Wall	Sheetrock	Wall 3	White	4152	Negative	0.6
74	Balch Hall	Window Molding	Masonry	Wall 3	White	4152	Negative	0.1
78	Balch Hall	Radiator	Steel	Wall 1	Gray	4159	Positive	3.9
76	Balch Hall	Window Sash	Steel	Wall 1	Black	4159	Positive	75
81	Balch Hall	Door Molding	Steel	Wall 3	White	4159	Negative	0.4
79	Balch Hall	Wall	Sheetrock	Wall 1	White	4159	Negative	0.1
80	Balch Hall	Wall	Sheetrock	Wall 2	White	4159	Negative	0.2
77	Balch Hall	Window Molding	Masonry	Wall 1	White	4159	Negative	0
90	Balch Hall	Door Molding	Steel	Wall 2	White	4212	Negative	0.5
92	Balch Hall	Radiator	Steel	Wall 4	Gray	4212	Negative	0.6
89	Balch Hall	Wall	Sheetrock	Wall 2	White	4212	Negative	0.4
91	Balch Hall	Wall	Sheetrock	Wall 4	White	4212	Negative	0.2
94	Balch Hall	Window Sash	Steel	Wall 4	Gray	4212	Negative	0.2
93	Balch Hall	Window Molding	Wood	Wall 4	White	4212	Negative	-0.1
102	Balch Hall	Door Molding	Steel	Wall 2	White	4214	Negative	0.5
103	Balch Hall	Floor	Masonry	Wall 2	Brown	4214	Negative	0.2
106	Balch Hall	Sink	Steel	Wall 3	White	4214	Negative	0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
100	Balch Hall	Wall	Sheetrock	Wall 1	White	4214	Negative	-0.3
101	Balch Hall	Wall	Ceramic	Wall 1	Brown	4214	Negative	0.1
104	Balch Hall	Wall	Ceramic	Wall 3	Brown	4214	Negative	0.2
105	Balch Hall	Wall	Sheetrock	Wall 3	White	4214	Negative	-0.2
83	Balch Hall	Baseboard	Wood	Wall 1	Brown	4217	Negative	0.1
84	Balch Hall	Door Molding	Steel	Wall 1	White	4217	Negative	0.4
85	Balch Hall	Radiator	Steel	Wall 2	Gray	4217	Negative	0.5
82	Balch Hall	Wall	Sheetrock	Wall 1	White	4217	Negative	0.1
88	Balch Hall	Wall	Sheetrock	Wall 4	White	4217	Negative	0.2
87	Balch Hall	Window Sash	Steel	Wall 2	Gray	4217	Negative	0.1
86	Balch Hall	Window Molding	Wood	Wall 2	White	4217	Negative	-0.1
116	Balch Hall	Door Molding	Steel	Wall 3	White	4223	Positive	4.3
110	Balch Hall	Radiator	Steel	Wall 1	Gray	4223	Positive	8.9
112	Balch Hall	Window Sash	Steel	Wall 1	Black	4223	Positive	71
113	Balch Hall	Ceiling	Sheetrock	Wall 2	White	4223	Negative	0.2
109	Balch Hall	Wall	Sheetrock	Wall 1	White	4223	Negative	0.3
114	Balch Hall	Wall	Sheetrock	Wall 2	White	4223	Negative	0.4
115	Balch Hall	Wall	Sheetrock	Wall 3	White	4223	Negative	0.3
111	Balch Hall	Window Molding	Masonry	Wall 1	White	4223	Negative	-0.1
123	Balch Hall	Window Sash	Steel	Wall 3	Black	4228	Positive	78
117	Balch Hall	Door Molding	Steel	Wall 1	White	4228	Negative	0.4
121	Balch Hall	Radiator	Steel	Wall 3	Gray	4228	Negative	0
118	Balch Hall	Wall	Sheetrock	Wall 1	White	4228	Negative	0
119	Balch Hall	Wall	Sheetrock	Wall 2	White	4228	Negative	-0.1
120	Balch Hall	Wall	Sheetrock	Wall 3	White	4228	Negative	0.3
124	Balch Hall	Wall	Sheetrock	Wall 4	White	4228	Negative	0.2
122	Balch Hall	Window Molding	Masonry	Wall 3	White	4228	Negative	0.1
132	Balch Hall	Door Molding	Steel	Wall 3	White	4235	Positive	2.6
126	Balch Hall	Radiator	Steel	Wall 1	Gray	4235	Positive	1.1
128	Balch Hall	Window Sash	Steel	Wall 1	Black	4235	Positive	73
129	Balch Hall	Baseboard	Wood	Wall 1	Brown	4235	Negative	-0.1
125	Balch Hall	Wall	Sheetrock	Wall 1	White	4235	Negative	-0.5
130	Balch Hall	Wall	Sheetrock	Wall 2	White	4235	Negative	-0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
131	Balch Hall	Wall	Sheetrock	Wall 3	White	4235	Negative	-0.1
127	Balch Hall	Window Molding	Masonry	Wall 1	White	4235	Negative	0
137	Balch Hall	Radiator	Steel	Wall 4	Gray	4244	Positive	3.1
140	Balch Hall	Window Sash	Steel	Wall 4	Black	4244	Positive	60
135	Balch Hall	Door Molding	Steel	Wall 2	White	4244	Negative	0.4
133	Balch Hall	Wall	Sheetrock	Wall 1	White	4244	Negative	0.2
134	Balch Hall	Wall	Sheetrock	Wall 2	White	4244	Negative	-0.4
136	Balch Hall	Wall	Sheetrock	Wall 3	White	4244	Negative	0.4
138	Balch Hall	Wall	Sheetrock	Wall 4	White	4244	Negative	0.1
139	Balch Hall	Window Molding	Masonry	Wall 4	White	4244	Negative	-0.4
142	Balch Hall	Ceiling	Masonry	Wall 1	White	4247	Negative	-0.2
144	Balch Hall	Door Molding	Steel	Wall 3	Brown	4247	Negative	0.6
143	Balch Hall	Floor	Masonry	Wall 1	Gray	4247	Negative	-0.1
141	Balch Hall	Wall	Masonry	Wall 1	White	4247	Negative	-0.1
145	Balch Hall	Wall	Masonry	Wall 3	White	4247	Negative	-0.6
177	Balch Hall	Radiator	Steel	Wall 4	Gray	4254	Positive	3.2
179	Balch Hall	Window Sash	Steel	Wall 4	Black	4254	Positive	72
176	Balch Hall	Door Molding	Steel	Wall 2	White	4254	Negative	0.9
174	Balch Hall	Wall	Sheetrock	Wall 1	White	4254	Negative	0.6
175	Balch Hall	Wall	Sheetrock	Wall 2	White	4254	Negative	0.1
178	Balch Hall	Window Molding	Masonry	Wall 4	White	4254	Negative	0
170	Balch Hall	Radiator	Steel	Wall 2	Gray	4257	Positive	1.5
172	Balch Hall	Window Sash	Steel	Wall 2	Black	4257	Positive	72
168	Balch Hall	Wall	Sheetrock	Wall 1	White	4257	Negative	0.1
169	Balch Hall	Wall	Sheetrock	Wall 2	White	4257	Negative	0.2
173	Balch Hall	Wall	Sheetrock	Wall 3	White	4257	Negative	0
171	Balch Hall	Window Molding	Masonry	Wall 2	White	4257	Negative	-0.1
147	Balch Hall	Radiator	Steel	Wall 1	Gray	4267	Positive	2.3
149	Balch Hall	Window Sash	Steel	Wall 1	Black	4267	Positive	67
153	Balch Hall	Door Molding	Steel	Wall 3	White	4267	Negative	0.8
146	Balch Hall	Wall	Sheetrock	Wall 1	White	4267	Negative	0.4
151	Balch Hall	Wall	Sheetrock	Wall 2	White	4267	Negative	0.3
152	Balch Hall	Wall	Sheetrock	Wall 3	White	4267	Negative	0.4

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
148	Balch Hall	Window Molding	Masonry	Wall 1	White	4267	Negative	0
150	Balch Hall	Window Molding	Masonry	Wall 1	White	4267	Negative	0
154	Balch Hall	Door Molding	Steel	Wall 1	White	4276	Positive	1.7
160	Balch Hall	Window Sash	Steel	Wall 3	Black	4276	Positive	73
166	Balch Hall	Window Sash	Steel	Wall 4	Black	4276	Positive	58
162	Balch Hall	Access Door	Steel	Wall 3	White	4276	Negative	0
156	Balch Hall	Baseboard	Wood	Wall 1	Brown	4276	Negative	-0.2
164	Balch Hall	Ceiling	Sheetrock	Wall 3	White	4276	Negative	-0.4
167	Balch Hall	Radiator	Steel	Wall 4	Gray	4276	Negative	0.1
155	Balch Hall	Wall	Sheetrock	Wall 1	White	4276	Negative	0.1
157	Balch Hall	Wall	Sheetrock	Wall 2	White	4276	Negative	0.2
158	Balch Hall	Wall	Sheetrock	Wall 3	White	4276	Negative	0.9
161	Balch Hall	Wall	Sheetrock	Wall 4	White	4276	Negative	0.2
163	Balch Hall	Wall	Sheetrock	Wall 3	White	4276	Negative	-0.2
159	Balch Hall	Window Molding	Masonry	Wall 3	White	4276	Negative	0
165	Balch Hall	Window Molding	Masonry	Wall 4	White	4276	Negative	-0.1
455	Balch Hall	Door Molding	Steel	Wall 2	White	4314	Positive	1.1
460	Balch Hall	Radiator	Steel	Wall 4	Gray	4314	Positive	9.3
462	Balch Hall	Window Sash	Steel	Wall 4	Black	4314	Positive	78
457	Balch Hall	Ceiling	Sheetrock	Wall 2	White	4314	Negative	0.3
456	Balch Hall	Wall	Sheetrock	Wall 2	White	4314	Negative	-0.1
458	Balch Hall	Wall	Sheetrock	Wall 3	White	4314	Negative	0.3
459	Balch Hall	Wall	Sheetrock	Wall 4	White	4314	Negative	0.1
461	Balch Hall	Window Molding	Masonry	Wall 4	White	4314	Negative	0.2
454	Balch Hall	Window Sash	Steel	Wall 4	Black	4322	Positive	74
448	Balch Hall	Door Molding	Steel	Wall 1	White	4322	Negative	0.9
452	Balch Hall	Radiator	Steel	Wall 4	Gray	4322	Negative	0.5
449	Balch Hall	Wall	Sheetrock	Wall 1	White	4322	Negative	0.3
450	Balch Hall	Wall	Sheetrock	Wall 3	White	4322	Negative	0.4
451	Balch Hall	Wall	Sheetrock	Wall 4	White	4322	Negative	0.2
453	Balch Hall	Window Molding	Masonry	Wall 4	White	4322	Negative	0.2
444	Balch Hall	Radiator	Steel	Wall 2	Gray	4325	Positive	2
446	Balch Hall	Window Sash	Steel	Wall 2	Black	4325	Positive	72

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
443	Balch Hall	Ceiling	Sheetrock	Wall 2	White	4325	Negative	-0.2
447	Balch Hall	Door Molding	Steel	Wall 4	White	4325	Negative	0.7
441	Balch Hall	Wall	Sheetrock	Wall 1	White	4325	Negative	0.7
442	Balch Hall	Wall	Sheetrock	Wall 2	White	4325	Negative	0.3
445	Balch Hall	Window Molding	Masonry	Wall 2	White	4325	Negative	0.1
435	Balch Hall	Ceiling	Sheetrock	Wall 1	White	4327	Negative	-0.1
440	Balch Hall	Door Molding	Steel	Wall 4	White	4327	Negative	0.4
436	Balch Hall	Grate	Steel	Wall 1	White	4327	Negative	0
439	Balch Hall	Pipe	Steel	Wall 3	White	4327	Negative	0.1
434	Balch Hall	Wall	Sheetrock	Wall 1	White	4327	Negative	0
437	Balch Hall	Wall	Sheetrock	Wall 2	White	4327	Negative	-0.2
438	Balch Hall	Wall	Sheetrock	Wall 3	White	4327	Negative	-0.1
418	Balch Hall	Radiator	Steel	Wall 1	Gray	4335	Positive	9.2
420	Balch Hall	Window Sash	Steel	Wall 1	Black	4335	Positive	70
423	Balch Hall	Ceiling	Sheetrock	Wall 2	White	4335	Negative	0.1
425	Balch Hall	Door Molding	Steel	Wall 3	White	4335	Negative	0.8
421	Balch Hall	Wall	Sheetrock	Wall 1	White	4335	Negative	0.2
422	Balch Hall	Wall	Sheetrock	Wall 2	White	4335	Negative	0.1
424	Balch Hall	Wall	Sheetrock	Wall 3	White	4335	Negative	0.1
419	Balch Hall	Window Molding	Masonry	Wall 1	White	4335	Negative	0.1
430	Balch Hall	Radiator	Steel	Wall 2	Gray	4336	Positive	3.3
432	Balch Hall	Window Sash	Steel	Wall 2	Black	4336	Positive	39
427	Balch Hall	Baseboard	Wood	Wall 1	Brown	4336	Negative	0.1
426	Balch Hall	Door Molding	Steel	Wall 1	White	4336	Negative	0.6
428	Balch Hall	Wall	Sheetrock	Wall 1	White	4336	Negative	0
429	Balch Hall	Wall	Sheetrock	Wall 2	White	4336	Negative	0.2
433	Balch Hall	Wall	Sheetrock	Wall 4	White	4336	Negative	0.1
431	Balch Hall	Window Molding	Masonry	Wall 2	White	4336	Negative	0.1
414	Balch Hall	Window Sash	Steel	Wall 1	Black	4343	Positive	68
417	Balch Hall	Door Molding	Steel	Wall 3	White	4343	Negative	0.9
412	Balch Hall	Radiator	Steel	Wall 1	Gray	4343	Negative	0.3
411	Balch Hall	Wall	Sheetrock	Wall 1	White	4343	Negative	0.1
415	Balch Hall	Wall	Sheetrock	Wall 2	White	4343	Negative	-0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
416	Balch Hall	Wall	Sheetrock	Wall 3	White	4343	Negative	0.5
413	Balch Hall	Window Molding	Masonry	Wall 1	White	4343	Negative	0.3
410	Balch Hall	Door Molding	Steel	Wall 3	White	4345	Negative	0.9
407	Balch Hall	Wall	Masonry	Wall 1	White	4345	Negative	0.2
408	Balch Hall	Wall	Masonry	Wall 2	White	4345	Negative	0.2
409	Balch Hall	Wall	Masonry	Wall 3	White	4345	Negative	0.3
398	Balch Hall	Access Door	Steel	Wall 1	White	4350	Negative	0.1
399	Balch Hall	Door Molding	Steel	Wall 1	White	4352	Positive	1.1
404	Balch Hall	Radiator	Steel	Wall 3	Gray	4352	Positive	8.7
406	Balch Hall	Window Sash	Steel	Wall 3	Black	4352	Positive	76
400	Balch Hall	Baseboard	Wood	Wall 1	Brown	4352	Negative	0.1
401	Balch Hall	Wall	Sheetrock	Wall 1	White	4352	Negative	0.1
402	Balch Hall	Wall	Sheetrock	Wall 2	White	4352	Negative	-0.3
403	Balch Hall	Wall	Sheetrock	Wall 3	White	4352	Negative	0
405	Balch Hall	Window Molding	Masonry	Wall 3	White	4352	Negative	0.1
391	Balch Hall	Radiator	Steel	Wall 1	Gray	4357	Positive	5.9
393	Balch Hall	Window Sash	Steel	Wall 1	Black	4357	Positive	72
390	Balch Hall	Baseboard	Wood	Wall 1	Brown	4357	Negative	0
397	Balch Hall	Door Molding	Steel	Wall 3	White	4357	Negative	0.9
394	Balch Hall	Wall	Sheetrock	Wall 1	White	4357	Negative	0.4
395	Balch Hall	Wall	Sheetrock	Wall 2	White	4357	Negative	0.1
396	Balch Hall	Wall	Sheetrock	Wall 3	White	4357	Negative	0.1
392	Balch Hall	Window Molding	Masonry	Wall 1	White	4357	Negative	0.1
386	Balch Hall	Window Sash	Steel	Wall 1	Black	4365	Positive	38
389	Balch Hall	Door Molding	Steel	Wall 4	White	4365	Negative	0.8
384	Balch Hall	Radiator	Steel	Wall 1	Gray	4365	Negative	0.9
387	Balch Hall	Wall	Sheetrock	Wall 3	White	4365	Negative	0
388	Balch Hall	Wall	Sheetrock	Wall 4	White	4365	Negative	0.3
385	Balch Hall	Window Molding	Masonry	Wall 1	White	4365	Negative	0.2
378	Balch Hall	Door Molding	Steel	Wall 1	White	4374	Positive	5
383	Balch Hall	Radiator	Steel	Wall 3	Gray	4374	Positive	2.3
379	Balch Hall	Baseboard	Wood	Wall 2	Brown	4374	Negative	0.1
380	Balch Hall	Ceiling	Sheetrock	Wall 2	White	4374	Negative	-0.3

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
381	Balch Hall	Wall	Sheetrock	Wall 2	White	4374	Negative	0.1
382	Balch Hall	Wall	Sheetrock	Wall 3	White	4374	Negative	0
373	Balch Hall	Window Sash	Steel	Wall 1	Black	4413	Positive	72
377	Balch Hall	Door Molding	Steel	Wall 3	White	4413	Negative	0.3
374	Balch Hall	Radiator	Steel	Wall 1	Gray	4413	Negative	0
375	Balch Hall	Wall	Sheetrock	Wall 2	White	4413	Negative	-0.1
376	Balch Hall	Wall	Sheetrock	Wall 3	White	4413	Negative	-0.2
372	Balch Hall	Window Molding	Masonry	Wall 1	White	4413	Negative	0.2
371	Balch Hall	Door Molding	Steel	Wall 3	White	4417	Negative	0.6
368	Balch Hall	Wall	Sheetrock	Wall 1	White	4417	Negative	0
369	Balch Hall	Wall	Ceramic	Wall 1	Brown	4417	Negative	-0.1
370	Balch Hall	Wall	Ceramic	Wall 3	Brown	4417	Negative	-0.1
60	Balch Hall	Radiator	Steel	Wall 3	Gray	4432	Positive	1.2
61	Balch Hall	Window Sash	Steel	Wall 3	Black	4432	Positive	75
59	Balch Hall	Baseboard	Wood	Wall 1	Brown	4432	Negative	0
56	Balch Hall	Ceiling	Sheetrock	Wall 1	White	4432	Negative	-0.4
58	Balch Hall	Door Molding	Steel	Wall 1	White	4432	Negative	0.8
57	Balch Hall	Wall	Sheetrock	Wall 1	White	4432	Negative	0
62	Balch Hall	Window Molding	Masonry	Wall 3	White	4432	Negative	0.4
364	Balch Hall	Window Sash	Steel	Wall 2	Black	4443	Positive	72
365	Balch Hall	Baseboard	Wood	Wall 2	Brown	4443	Negative	0
366	Balch Hall	Door Molding	Steel	Wall 4	White	4443	Negative	0
362	Balch Hall	Radiator	Steel	Wall 2	Gray	4443	Negative	0
360	Balch Hall	Wall	Sheetrock	Wall 1	White	4443	Negative	0.1
361	Balch Hall	Wall	Sheetrock	Wall 2	White	4443	Negative	-0.2
367	Balch Hall	Wall	Sheetrock	Wall 4	White	4443	Negative	-0.3
363	Balch Hall	Window Molding	Masonry	Wall 2	White	4443	Negative	0
357	Balch Hall	Radiator	Steel	Wall 4	Gray	4444	Positive	5
359	Balch Hall	Window Sash	Steel	Wall 4	Black	4444	Positive	77
356	Balch Hall	Baseboard	Wood	Wall 2	Brown	4444	Negative	0.4
355	Balch Hall	Door Molding	Steel	Wall 2	White	4444	Negative	0.3
353	Balch Hall	Wall	Sheetrock	Wall 1	White	4444	Negative	-0.2
354	Balch Hall	Wall	Sheetrock	Wall 2	White	4444	Negative	-0.3

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
358	Balch Hall	Window Molding	Masonry	Wall 4	White	4444	Negative	-0.1
51	Balch Hall	Radiator	Steel	Wall 1	Gray	4463	Positive	4.9
52	Balch Hall	Window Sash	Steel	Wall 1	Black	4463	Positive	73
54	Balch Hall	Ceiling	Sheetrock	Wall 3	White	4463	Negative	-0.3
55	Balch Hall	Ceiling	Sheetrock	Wall 3	White	4463	Negative	0.1
53	Balch Hall	Door Molding	Steel	Wall 3	White	4463	Negative	0.6
50	Balch Hall	Wall	Sheetrock	Wall 1	White	4463	Negative	-0.1
5	Balch Hall	Ceiling	Sheetrock	Wall 1	White	4465	Negative	0
6	Balch Hall	Door Molding	Steel	Wall 1	White	4465	Negative	0.4
10	Balch Hall	Grate	Steel	Wall 4	White	4465	Negative	0
7	Balch Hall	Pipe	Steel	Wall 1	White	4465	Negative	-0.1
4	Balch Hall	Wall	Sheetrock	Wall 1	White	4465	Negative	0
8	Balch Hall	Wall	Sheetrock	Wall 2	White	4465	Negative	0
9	Balch Hall	Wall	Sheetrock	Wall 4	White	4465	Negative	0
18	Balch Hall	Door Molding	Steel	Wall 4	White	4466	Positive	2.2
14	Balch Hall	Window Sash	Steel	Wall 2	Black	4466	Positive	70
16	Balch Hall	Baseboard	Wood	Wall 2	Brown	4466	Negative	0.3
15	Balch Hall	Radiator	Steel	Wall 2	Gray	4466	Negative	0.4
11	Balch Hall	Wall	Sheetrock	Wall 1	White	4466	Negative	-0.1
12	Balch Hall	Wall	Sheetrock	Wall 2	White	4466	Negative	0
17	Balch Hall	Wall	Sheetrock	Wall 4	White	4466	Negative	-0.1
13	Balch Hall	Window Molding	Masonry	Wall 2	White	4466	Negative	0.2
29	Balch Hall	Radiator	Steel	Wall 3	Gray	4474	Positive	8.5
31	Balch Hall	Window Sash	Steel	Wall 3	Black	4474	Positive	78
28	Balch Hall	Baseboard	Wood	Wall 1	Brown	4474	Negative	-0.1
26	Balch Hall	Door Molding	Steel	Wall 1	White	4474	Negative	0.6
27	Balch Hall	Wall	Sheetrock	Wall 1	White	4474	Negative	0
32	Balch Hall	Wall	Masonry	Wall 3	White	4474	Negative	-0.1
33	Balch Hall	Wall	Masonry	Wall 4	White	4474	Negative	-0.2
30	Balch Hall	Window Molding	Masonry	Wall 3	White	4474	Negative	0
35	Balch Hall	Door Molding	Steel	Wall 1	White	4482	Positive	3.9
41	Balch Hall	Window Sash	Steel	Wall 3	Black	4482	Positive	73
36	Balch Hall	Baseboard	Wood	Wall 1	Brown	4482	Negative	0.2

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
39	Balch Hall	Radiator	Steel	Wall 3	Gray	4482	Negative	0.1
34	Balch Hall	Wall	Sheetrock	Wall 1	White	4482	Negative	0.8
37	Balch Hall	Wall	Sheetrock	Wall 2	White	4482	Negative	0.3
38	Balch Hall	Wall	Sheetrock	Wall 3	White	4482	Negative	0
40	Balch Hall	Window Molding	Masonry	Wall 3	White	4482	Negative	0.1
44	Balch Hall	Radiator	Steel	Wall 1	Gray	4483	Positive	2.3
42	Balch Hall	Window Sash	Steel	Wall 1	Black	4483	Positive	71
48	Balch Hall	Door Molding	Steel	Wall 3	White	4483	Negative	0.6
45	Balch Hall	Wall	Sheetrock	Wall 1	White	4483	Negative	-0.2
46	Balch Hall	Wall	Sheetrock	Wall 2	White	4483	Negative	0.1
47	Balch Hall	Wall	Sheetrock	Wall 3	White	4483	Negative	0.1
49	Balch Hall	Wall	Sheetrock	Wall 4	White	4483	Negative	0.2
43	Balch Hall	Window Molding	Masonry	Wall 1	White	4483	Negative	0
289	Balch Hall	Baluster	Steel	Wall 3	Black	5007	Positive	1.7
283	Balch Hall	Door Molding	Steel	Wall 1	White	5007	Positive	2
290	Balch Hall	Newel Post	Steel	Wall 3	Black	5007	Positive	1.4
288	Balch Hall	Riser	Steel	Wall 3	Black	5007	Positive	2.4
287	Balch Hall	Stringer	Steel	Wall 3	Black	5007	Positive	1.5
291	Balch Hall	Window Sash	Steel	Wall 3	Black	5007	Positive	75
284	Balch Hall	Door	Steel	Wall 1	White	5007	Negative	-0.1
282	Balch Hall	Wall	Sheetrock	Wall 1	White	5007	Negative	0.1
285	Balch Hall	Wall	Sheetrock	Wall 2	White	5007	Negative	-0.1
286	Balch Hall	Wall	Sheetrock	Wall 3	White	5007	Negative	0
292	Balch Hall	Window Molding	Masonry	Wall 3	White	5007	Negative	0.1
160	Balch Hall	Door	Steel	Wall 1	White	5009	Positive	1
159	Balch Hall	Door	Steel	Wall 1	White	5009	Negative	0.1
101	Balch Hall	Baluster	Steel	Wall 2	Black	5010	Positive	2.7
102	Balch Hall	Newel Post	Steel	Wall 2	Black	5010	Positive	4.2
100	Balch Hall	Riser	Steel	Wall 2	Black	5010	Positive	2.8
99	Balch Hall	Stringer	Steel	Wall 2	Black	5010	Positive	1.8
103	Balch Hall	Window Sash	Steel	Wall 4	Black	5010	Positive	73
98	Balch Hall	Baseboard	Steel	Wall 2	Black	5010	Negative	-0.2
97	Balch Hall	Door	Wood	Wall 2	White	5010	Negative	0.5

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
96	Balch Hall	Door Molding	Steel	Wall 2	White	5010	Negative	0.5
94	Balch Hall	Wall	Sheetrock	Wall 1	White	5010	Negative	-0.1
95	Balch Hall	Wall	Sheetrock	Wall 2	White	5010	Negative	0.1
104	Balch Hall	Window Molding	Masonry	Wall 4	White	5010	Negative	0.1
399	Balch Hall	Door Molding	Steel	Wall 1	White	5020	Negative	0.3
400	Balch Hall	Wall	Ceramic	Wall 1	Brown	5020	Negative	0.8
401	Balch Hall	Wall	Ceramic	Wall 2	Brown	5020	Negative	0.8
402	Balch Hall	Wall	Ceramic	Wall 3	Brown	5020	Negative	0.6
404	Balch Hall	Window Sash	Steel	Wall 3	Gray	5020	Negative	0
403	Balch Hall	Window Molding	Wood	Wall 3	White	5020	Negative	-0.1
527	Balch Hall	Window Sash	Steel	Wall 4	Black	5024	Positive	73
523	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5024	Negative	-0.1
524	Balch Hall	Ceiling	Sheetrock	Wall 2	White	5024	Negative	0.1
525	Balch Hall	Door Molding	Steel	Wall 2	White	5024	Negative	0.7
521	Balch Hall	Wall	Ceramic	Wall 1	Brown	5024	Negative	0.5
522	Balch Hall	Wall	Ceramic	Wall 1	Brown	5024	Negative	-0.3
526	Balch Hall	Window Molding	Masonry	Wall 4	Gray	5024	Negative	0.1
248	Balch Hall	Access Door	Steel	Wall 4	White	5032	Positive	5.6
237	Balch Hall	Wall	Ceramic	Wall 1	Brown	5032	Positive	1.4
242	Balch Hall	Wall	Ceramic	Wall 3	Brown	5032	Positive	1.1
239	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5032	Negative	0.1
240	Balch Hall	Door Molding	Steel	Wall 2	White	5032	Negative	0.6
247	Balch Hall	Floor	Ceramic	Wall 4	White	5032	Negative	0
243	Balch Hall	Grate	Steel	Wall 3	Gray	5032	Negative	0.3
245	Balch Hall	Radiator	Steel	Wall 4	Gray	5032	Negative	0.1
238	Balch Hall	Wall	Sheetrock	Wall 1	White	5032	Negative	0
241	Balch Hall	Wall	Ceramic	Wall 2	Brown	5032	Negative	0.8
244	Balch Hall	Window Sash	Steel	Wall 4	Gray	5032	Negative	0.2
246	Balch Hall	Window Molding	Wood	Wall 4	White	5032	Negative	-0.2
120	Balch Hall	Radiator	Steel	Wall 1	Gray	5036	Positive	1.7
121	Balch Hall	Door Molding	Steel	Wall 2	White	5036	Negative	0.5
123	Balch Hall	Grate	Steel	Wall 2	Gray	5036	Negative	0
117	Balch Hall	Wall	Ceramic	Wall 1	Brown	5036	Negative	0.6

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
122	Balch Hall	Wall	Ceramic	Wall 2	Brown	5036	Negative	0.7
119	Balch Hall	Window Sash	Steel	Wall 1	Gray	5036	Negative	0
118	Balch Hall	Window Molding	Wood	Wall 1	White	5036	Negative	0
425	Balch Hall	Baseboard	Steel	Wall 1	Black	5041	Positive	2.3
427	Balch Hall	Riser	Steel	Wall 1	Black	5041	Positive	2.7
426	Balch Hall	Stringer	Steel	Wall 1	Black	5041	Positive	3.7
424	Balch Hall	Window Sash	Steel	Wall 1	Black	5041	Positive	70
428	Balch Hall	Baluster	Steel	Wall 1	Black	5041	Negative	0.6
429	Balch Hall	Newel Post	Steel	Wall 1	Black	5041	Negative	0.2
422	Balch Hall	Wall	Sheetrock	Wall 1	White	5041	Negative	-0.1
423	Balch Hall	Window Molding	Masonry	Wall 1	White	5041	Negative	0
467	Balch Hall	Window Sash	Steel	Wall 1	Black	5043	Positive	74
466	Balch Hall	Radiator	Steel	Wall 1	Gray	5043	Negative	0.4
465	Balch Hall	Wall	Sheetrock	Wall 1	White	5043	Negative	0
468	Balch Hall	Window Molding	Masonry	Wall 1	White	5043	Negative	-0.1
469	Balch Hall	Window Molding	Sheetrock	Wall 2	White	5043	Negative	-0.2
470	Balch Hall	Window Molding	Sheetrock	Wall 4	White	5043	Negative	-0.2
374	Balch Hall	Door Molding	Steel	Wall 1	White	5050	Negative	0.6
372	Balch Hall	Wall	Sheetrock	Wall 1	White	5050	Negative	-0.3
373	Balch Hall	Wall	Ceramic	Wall 1	Brown	5050	Negative	0.2
135	Balch Hall	Door Molding	Steel	Wall 3	White	5053	Positive	1.1
132	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5053	Negative	-0.2
133	Balch Hall	Wall	Sheetrock	Wall 1	White	5053	Negative	0
134	Balch Hall	Wall	Sheetrock	Wall 3	White	5053	Negative	-0.1
332	Balch Hall	Door Molding	Steel	Wall 4	White	5056	Positive	1.2
334	Balch Hall	Access Door	Steel	Wall 3	White	5056	Negative	0.1
331	Balch Hall	Door Molding	Steel	Wall 2	White	5056	Negative	0.2
329	Balch Hall	Wall	Sheetrock	Wall 1	White	5056	Negative	-0.1
330	Balch Hall	Wall	Sheetrock	Wall 2	White	5056	Negative	0.1
333	Balch Hall	Wall	Sheetrock	Wall 3	White	5056	Negative	-0.1
358	Balch Hall	Baseboard	Wood	Wall 2	Brown	5116	Negative	0.1
360	Balch Hall	Ceiling	Sheetrock	Wall 4	White	5116	Negative	-0.1
355	Balch Hall	Door Molding	Steel	Wall 1	White	5116	Negative	0.3

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
363	Balch Hall	Radiator	Steel	Wall 4	Gray	5116	Negative	0.5
356	Balch Hall	Wall	Sheetrock	Wall 1	White	5116	Negative	-0.2
357	Balch Hall	Wall	Sheetrock	Wall 2	White	5116	Negative	0
359	Balch Hall	Wall	Sheetrock	Wall 4	White	5116	Negative	-0.2
362	Balch Hall	Window Sash	Steel	Wall 4	Gray	5116	Negative	0.1
361	Balch Hall	Window Molding	Wood	Wall 4	White	5116	Negative	-0.4
377	Balch Hall	Radiator	Steel	Wall 1	Gray	5122	Positive	1
379	Balch Hall	Window Sash	Steel	Wall 1	Black	5122	Positive	73
376	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5122	Negative	-0.3
383	Balch Hall	Door Molding	Steel	Wall 4	White	5122	Negative	0.3
380	Balch Hall	Floor	Masonry	Wall 1	Brown	5122	Negative	0.3
375	Balch Hall	Wall	Sheetrock	Wall 1	White	5122	Negative	-0.4
381	Balch Hall	Wall	Sheetrock	Wall 3	White	5122	Negative	-0.4
382	Balch Hall	Wall	Sheetrock	Wall 4	White	5122	Negative	-0.2
378	Balch Hall	Window Molding	Masonry	Wall 1	Gray	5122	Negative	0.1
388	Balch Hall	Access Door	Steel	Wall 3	White	5142	Negative	-0.2
386	Balch Hall	Door Molding	Steel	Wall 2	White	5142	Negative	0.5
390	Balch Hall	Floor	Masonry	Wall 4	Brown	5142	Negative	0.4
384	Balch Hall	Wall	Sheetrock	Wall 1	White	5142	Negative	-0.2
385	Balch Hall	Wall	Sheetrock	Wall 2	White	5142	Negative	0
387	Balch Hall	Wall	Sheetrock	Wall 3	White	5142	Negative	-0.1
389	Balch Hall	Wall	Sheetrock	Wall 4	White	5142	Negative	-0.1
371	Balch Hall	Door Molding	Steel	Wall 4	White	5145	Positive	2.7
367	Balch Hall	Radiator	Steel	Wall 2	Gray	5145	Positive	1.4
369	Balch Hall	Window Sash	Steel	Wall 2	Black	5145	Positive	75
365	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5145	Negative	0
364	Balch Hall	Wall	Sheetrock	Wall 1	White	5145	Negative	0
366	Balch Hall	Wall	Sheetrock	Wall 2	White	5145	Negative	0.3
370	Balch Hall	Wall	Sheetrock	Wall 3	White	5145	Negative	0.1
368	Balch Hall	Window Molding	Masonry	Wall 2	White	5145	Negative	0
398	Balch Hall	Baseboard	Wood	Wall 3	Brown	5147	Negative	0.2
396	Balch Hall	Door Molding	Steel	Wall 2	White	5147	Negative	0.5
397	Balch Hall	Door Molding	Steel	Wall 3	White	5147	Negative	0.4

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
392	Balch Hall	Radiator	Steel	Wall 1	Gray	5147	Negative	-0.1
391	Balch Hall	Wall	Sheetrock	Wall 1	White	5147	Negative	-0.2
395	Balch Hall	Wall	Sheetrock	Wall 2	White	5147	Negative	-0.2
394	Balch Hall	Window Sash	Steel	Wall 1	Gray	5147	Negative	0.1
393	Balch Hall	Window Molding	Wood	Wall 1	White	5147	Negative	-0.1
412	Balch Hall	Radiator	Steel	Wall 3	Gray	5154	Positive	1
411	Balch Hall	Wall	Sheetrock	Wall 3	White	5154	Positive	1.1
406	Balch Hall	Baseboard	Wood	Wall 1	Brown	5154	Negative	0.2
410	Balch Hall	Ceiling	Sheetrock	Wall 3	White	5154	Negative	0.1
405	Balch Hall	Door Molding	Steel	Wall 1	White	5154	Negative	0.3
409	Balch Hall	Door Molding	Steel	Wall 2	White	5154	Negative	0.2
407	Balch Hall	Wall	Sheetrock	Wall 1	White	5154	Negative	0.3
408	Balch Hall	Wall	Sheetrock	Wall 2	White	5154	Negative	-0.1
413	Balch Hall	Window Sash	Steel	Wall 3	Gray	5154	Negative	0
414	Balch Hall	Window Molding	Wood	Wall 3	White	5154	Negative	0
417	Balch Hall	Radiator	Steel	Wall 1	Gray	5157	Positive	5.4
421	Balch Hall	Door Molding	Steel	Wall 3	White	5157	Negative	0.7
418	Balch Hall	Wall	Sheetrock	Wall 1	White	5157	Negative	0
419	Balch Hall	Wall	Sheetrock	Wall 2	White	5157	Negative	-0.2
420	Balch Hall	Wall	Sheetrock	Wall 3	White	5157	Negative	0
416	Balch Hall	Window Sash	Steel	Wall 1	Gray	5157	Negative	-0.1
415	Balch Hall	Window Molding	Wood	Wall 1	White	5157	Negative	0.1
435	Balch Hall	Window Sash	Steel	Wall 3	Black	5158	Positive	76
433	Balch Hall	Ceiling	Sheetrock	Wall 2	White	5158	Negative	-0.2
430	Balch Hall	Door Molding	Steel	Wall 1	Brown	5158	Negative	0.4
431	Balch Hall	Wall	Sheetrock	Wall 1	White	5158	Negative	-0.1
432	Balch Hall	Wall	Sheetrock	Wall 2	White	5158	Negative	-0.3
434	Balch Hall	Wall	Sheetrock	Wall 3	White	5158	Negative	-0.2
436	Balch Hall	Wall	Sheetrock	Wall 4	White	5158	Negative	-0.5
445	Balch Hall	Door Molding	Steel	Wall 3	White	5223	Positive	1.5
444	Balch Hall	Wall	Sheetrock	Wall 3	White	5223	Positive	1.3
439	Balch Hall	Baseboard	Wood	Wall 1	Brown	5223	Negative	0.1
438	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5223	Negative	0.6

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
440	Balch Hall	Radiator	Steel	Wall 1	Gray	5223	Negative	0.5
437	Balch Hall	Wall	Sheetrock	Wall 1	White	5223	Negative	0.2
443	Balch Hall	Wall	Sheetrock	Wall 2	White	5223	Negative	0.6
442	Balch Hall	Window Sash	Steel	Wall 1	Gray	5223	Negative	0.1
441	Balch Hall	Window Molding	Wood	Wall 1	White	5223	Negative	-0.2
450	Balch Hall	Baseboard	Wood	Wall 3	Brown	5224	Negative	0.1
455	Balch Hall	Ceiling	Sheetrock	Wall 4	White	5224	Negative	0.3
446	Balch Hall	Door Molding	Steel	Wall 1	White	5224	Negative	0.2
453	Balch Hall	Radiator	Steel	Wall 3	Gray	5224	Negative	0.8
447	Balch Hall	Wall	Sheetrock	Wall 1	White	5224	Negative	0.2
448	Balch Hall	Wall	Sheetrock	Wall 2	White	5224	Negative	0
449	Balch Hall	Wall	Sheetrock	Wall 3	White	5224	Negative	0
454	Balch Hall	Wall	Sheetrock	Wall 4	White	5224	Negative	-0.2
452	Balch Hall	Window Sash	Steel	Wall 3	Gray	5224	Negative	-0.1
451	Balch Hall	Window Molding	Wood	Wall 3	White	5224	Negative	-0.1
459	Balch Hall	Radiator	Steel	Wall 1	Gray	5233	Positive	1.1
461	Balch Hall	Window Sash	Steel	Wall 1	Black	5233	Positive	72
458	Balch Hall	Baseboard	Wood	Wall 1	Brown	5233	Negative	0.1
456	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5233	Negative	0.1
464	Balch Hall	Door Molding	Steel	Wall 3	White	5233	Negative	0.6
457	Balch Hall	Wall	Sheetrock	Wall 1	White	5233	Negative	0
462	Balch Hall	Wall	Sheetrock	Wall 2	White	5233	Negative	0
463	Balch Hall	Wall	Sheetrock	Wall 3	White	5233	Negative	-0.1
460	Balch Hall	Window Molding	Masonry	Wall 1	White	5233	Negative	0.1
472	Balch Hall	Window Sash	Steel	Wall 1	Black	5243	Positive	74
477	Balch Hall	Door Molding	Steel	Wall 4	White	5243	Negative	0.7
473	Balch Hall	Wall	Sheetrock	Wall 1	White	5243	Negative	0.3
474	Balch Hall	Wall	Sheetrock	Wall 2	White	5243	Negative	0
475	Balch Hall	Wall	Sheetrock	Wall 3	White	5243	Negative	0.2
476	Balch Hall	Wall	Sheetrock	Wall 4	White	5243	Negative	0
471	Balch Hall	Window Molding	Masonry	Wall 1	White	5243	Negative	-0.2
489	Balch Hall	Window Sash	Steel	Wall 4	Black	5244	Positive	71
486	Balch Hall	Baseboard	Wood	Wall 2	Brown	5244	Negative	-0.2

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
487	Balch Hall	Door Molding	Steel	Wall 2	White	5244	Negative	0.4
488	Balch Hall	Radiator	Steel	Wall 4	Gray	5244	Negative	0
484	Balch Hall	Wall	Sheetrock	Wall 1	White	5244	Negative	0
485	Balch Hall	Wall	Sheetrock	Wall 2	White	5244	Negative	0.1
490	Balch Hall	Window Molding	Masonry	Wall 4	White	5244	Negative	0.2
482	Balch Hall	Ceiling	Sheetrock	Wall 3	White	5247	Negative	-0.2
478	Balch Hall	Door Molding	Steel	Wall 1	White	5247	Negative	0.3
483	Balch Hall	Door Molding	Steel	Wall 4	White	5247	Negative	0.4
479	Balch Hall	Floor	Masonry	Wall 1	Brown	5247	Negative	0.1
480	Balch Hall	Wall	Sheetrock	Wall 1	White	5247	Negative	0
481	Balch Hall	Wall	Sheetrock	Wall 3	White	5247	Negative	-0.2
519	Balch Hall	Window Sash	Steel	Wall 4	Black	5254	Positive	74
515	Balch Hall	Ceiling	Sheetrock	Wall 2	White	5254	Negative	0.1
516	Balch Hall	Door Molding	Steel	Wall 2	White	5254	Negative	0.6
520	Balch Hall	Radiator	Steel	Wall 4	Gray	5254	Negative	0.1
513	Balch Hall	Wall	Sheetrock	Wall 1	White	5254	Negative	0.3
514	Balch Hall	Wall	Sheetrock	Wall 2	White	5254	Negative	0.2
517	Balch Hall	Wall	Sheetrock	Wall 4	White	5254	Negative	0.9
518	Balch Hall	Window Molding	Masonry	Wall 4	White	5254	Negative	0
511	Balch Hall	Door Molding	Steel	Wall 4	White	5255	Positive	3.9
508	Balch Hall	Radiator	Steel	Wall 2	Gray	5255	Positive	7.8
510	Balch Hall	Window Sash	Steel	Wall 2	Black	5255	Positive	72
507	Balch Hall	Baseboard	Wood	Wall 1	Brown	5255	Negative	0
506	Balch Hall	Wall	Sheetrock	Wall 1	White	5255	Negative	-0.1
512	Balch Hall	Wall	Sheetrock	Wall 4	White	5255	Negative	0.1
509	Balch Hall	Window Molding	Masonry	Wall 2	White	5255	Negative	0.1
501	Balch Hall	Radiator	Steel	Wall 2	Gray	5265	Positive	1.1
503	Balch Hall	Window Sash	Steel	Wall 2	Black	5265	Positive	4.3
499	Balch Hall	Baseboard	Wood	Wall 1	Brown	5265	Negative	-0.1
500	Balch Hall	Door Molding	Steel	Wall 1	White	5265	Negative	0.5
504	Balch Hall	Door Molding	Steel	Wall 4	White	5265	Negative	0.5
498	Balch Hall	Wall	Sheetrock	Wall 1	White	5265	Negative	0.8
505	Balch Hall	Wall	Sheetrock	Wall 4	White	5265	Negative	-0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
502	Balch Hall	Window Molding	Masonry	Wall 2	White	5265	Negative	-0.1
496	Balch Hall	Ceiling	Sheetrock	Wall 2	White	5269	Negative	0.1
494	Balch Hall	Door Molding	Steel	Wall 2	White	5269	Negative	0.7
492	Balch Hall	Grate	Steel	Wall 1	White	5269	Negative	0.2
493	Balch Hall	Pipe	Steel	Wall 1	White	5269	Negative	0
491	Balch Hall	Wall	Sheetrock	Wall 1	White	5269	Negative	-0.1
495	Balch Hall	Wall	Sheetrock	Wall 2	White	5269	Negative	0.1
497	Balch Hall	Wall	Sheetrock	Wall 4	White	5269	Negative	-0.3
530	Balch Hall	Radiator	Steel	Wall 1	Gray	5273	Positive	7.2
528	Balch Hall	Window Sash	Steel	Wall 1	Black	5273	Positive	76
534	Balch Hall	Door Molding	Steel	Wall 3	White	5273	Negative	0
531	Balch Hall	Wall	Sheetrock	Wall 1	White	5273	Negative	-0.2
532	Balch Hall	Wall	Sheetrock	Wall 2	White	5273	Negative	0.2
533	Balch Hall	Wall	Sheetrock	Wall 3	White	5273	Negative	0.1
529	Balch Hall	Window Molding	Masonry	Wall 1	White	5273	Negative	0.1
542	Balch Hall	Window Sash	Steel	Wall 3	Black	5274	Positive	75
537	Balch Hall	Baseboard	Wood	Wall 1	Brown	5274	Negative	0
535	Balch Hall	Door Molding	Steel	Wall 1	White	5274	Negative	0.8
540	Balch Hall	Radiator	Steel	Wall 3	Gray	5274	Negative	0.5
536	Balch Hall	Wall	Sheetrock	Wall 1	White	5274	Negative	0
538	Balch Hall	Wall	Sheetrock	Wall 2	White	5274	Negative	0.1
539	Balch Hall	Wall	Sheetrock	Wall 3	White	5274	Negative	0
541	Balch Hall	Window Molding	Masonry	Wall 3	White	5274	Negative	-0.1
345	Balch Hall	Door Molding	Steel	Wall 1	White	5314	Positive	1.7
346	Balch Hall	Door Molding	Steel	Wall 2	White	5314	Positive	2.6
352	Balch Hall	Radiator	Steel	Wall 4	Gray	5314	Positive	4
347	Balch Hall	Baseboard	Wood	Wall 2	Brown	5314	Negative	0
349	Balch Hall	Ceiling	Sheetrock	Wall 2	White	5314	Negative	0.3
348	Balch Hall	Wall	Sheetrock	Wall 2	White	5314	Negative	0
350	Balch Hall	Wall	Sheetrock	Wall 3	White	5314	Negative	-0.2
351	Balch Hall	Wall	Sheetrock	Wall 4	White	5314	Negative	0.2
354	Balch Hall	Window Sash	Steel	Wall 4	Gray	5314	Negative	0.2
353	Balch Hall	Window Molding	Wood	Wall 4	White	5314	Negative	-0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
339	Balch Hall	Door Molding	Steel	Wall 2	White	5322	Positive	1.1
344	Balch Hall	Radiator	Steel	Wall 4	Gray	5322	Positive	3.5
343	Balch Hall	Window Sash	Steel	Wall 4	Black	5322	Positive	73
335	Balch Hall	Baseboard	Wood	Wall 1	Brown	5322	Negative	0.3
336	Balch Hall	Wall	Sheetrock	Wall 1	White	5322	Negative	0
337	Balch Hall	Wall	Sheetrock	Wall 2	White	5322	Negative	0
338	Balch Hall	Wall	Sheetrock	Wall 2	White	5322	Negative	0
340	Balch Hall	Wall	Sheetrock	Wall 3	White	5322	Negative	-0.2
341	Balch Hall	Wall	Sheetrock	Wall 4	White	5322	Negative	-0.3
342	Balch Hall	Window Molding	Masonry	Wall 4	White	5322	Negative	0.3
327	Balch Hall	Door Molding	Steel	Wall 4	White	5325	Positive	1.6
326	Balch Hall	Window Sash	Steel	Wall 2	Black	5325	Positive	74
323	Balch Hall	Baseboard	Wood	Wall 3	Brown	5325	Negative	0
321	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5325	Negative	-0.1
324	Balch Hall	Radiator	Steel	Wall 2	Brown	5325	Negative	-0.3
320	Balch Hall	Wall	Sheetrock	Wall 1	White	5325	Negative	-0.1
322	Balch Hall	Wall	Sheetrock	Wall 3	White	5325	Negative	0
328	Balch Hall	Wall	Sheetrock	Wall 4	White	5325	Negative	-0.1
325	Balch Hall	Window Molding	Masonry	Wall 2	White	5325	Negative	0.2
316	Balch Hall	Ceiling	Sheetrock	Wall 2	White	5341	Negative	0
319	Balch Hall	Door Molding	Steel	Wall 4	White	5341	Negative	0.5
317	Balch Hall	Wall	Sheetrock	Wall 2	White	5341	Negative	-0.3
318	Balch Hall	Wall	Sheetrock	Wall 4	White	5341	Negative	-0.1
314	Balch Hall	Door Molding	Steel	Wall 3	White	5344	Positive	7.6
311	Balch Hall	Window Sash	Steel	Wall 1	Black	5344	Positive	71
315	Balch Hall	Ceiling	Sheetrock	Wall 3	White	5344	Negative	-0.2
312	Balch Hall	Radiator	Steel	Wall 1	Gray	5344	Negative	0.1
313	Balch Hall	Wall	Sheetrock	Wall 2	White	5344	Negative	-0.1
310	Balch Hall	Window Molding	Masonry	Wall 1	White	5344	Negative	-0.1
299	Balch Hall	Door Molding	Steel	Wall 3	White	5347	Positive	1.1
294	Balch Hall	Radiator	Steel	Wall 1	Gray	5347	Positive	2.3
300	Balch Hall	Baseboard	Wood	Wall 3	Brown	5347	Negative	0.1
297	Balch Hall	Ceiling	Masonry	Wall 2	White	5347	Negative	-0.2

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
295	Balch Hall	Wall	Masonry	Wall 1	White	5347	Negative	0
296	Balch Hall	Wall	Masonry	Wall 2	White	5347	Negative	-0.1
298	Balch Hall	Wall	Sheetrock	Wall 3	White	5347	Negative	0.1
293	Balch Hall	Window Molding	Masonry	Wall 1	White	5347	Negative	0.1
302	Balch Hall	Door Molding	Steel	Wall 1	White	5348	Positive	1.1
307	Balch Hall	Radiator	Steel	Wall 3	Gray	5348	Positive	1.7
308	Balch Hall	Window Sash	Steel	Wall 3	Black	5348	Positive	45
301	Balch Hall	Baseboard	Wood	Wall 1	Brown	5348	Negative	0.1
306	Balch Hall	Ceiling	Sheetrock	Wall 3	White	5348	Negative	-0.3
303	Balch Hall	Wall	Sheetrock	Wall 1	White	5348	Negative	0.2
304	Balch Hall	Wall	Sheetrock	Wall 2	White	5348	Negative	-0.1
305	Balch Hall	Wall	Sheetrock	Wall 3	White	5348	Negative	0.1
309	Balch Hall	Window Molding	Masonry	Wall 3	White	5348	Negative	0.2
278	Balch Hall	Radiator	Steel	Wall 3	Gray	5362	Positive	11.9
272	Balch Hall	Baseboard	Wood	Wall 1	Brown	5362	Negative	-0.1
271	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5362	Negative	-0.2
273	Balch Hall	Door Molding	Steel	Wall 1	White	5362	Negative	0.8
279	Balch Hall	Door Molding	Steel	Wall 4	White	5362	Negative	0.8
270	Balch Hall	Wall	Sheetrock	Wall 1	White	5362	Negative	-0.1
274	Balch Hall	Wall	Sheetrock	Wall 2	White	5362	Negative	-0.1
275	Balch Hall	Wall	Sheetrock	Wall 3	White	5362	Negative	0
277	Balch Hall	Window Sash	Steel	Wall 3	Gray	5362	Negative	0.2
276	Balch Hall	Window Molding	Wood	Wall 3	White	5362	Negative	0
252	Balch Hall	Radiator	Steel	Wall 2	Gray	5365	Positive	1.6
251	Balch Hall	Ceiling	Sheetrock	Wall 2	White	5365	Negative	-0.1
256	Balch Hall	Door Molding	Steel	Wall 3	White	5365	Negative	0.9
257	Balch Hall	Door Molding	Steel	Wall 4	White	5365	Negative	0.8
249	Balch Hall	Wall	Sheetrock	Wall 1	White	5365	Negative	0
250	Balch Hall	Wall	Sheetrock	Wall 2	White	5365	Negative	-0.2
255	Balch Hall	Wall	Sheetrock	Wall 3	White	5365	Negative	0
258	Balch Hall	Wall	Sheetrock	Wall 4	White	5365	Negative	0.2
253	Balch Hall	Window Sash	Steel	Wall 2	Gray	5365	Negative	0.2
254	Balch Hall	Window Molding	Wood	Wall 2	White	5365	Negative	0

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
261	Balch Hall	Baseboard	Masonry	Wall 1	Brown	5367	Negative	-0.1
263	Balch Hall	Ceiling	Sheetrock	Wall 2	White	5367	Negative	-0.1
268	Balch Hall	Door Molding	Steel	Wall 4	White	5367	Negative	0.5
262	Balch Hall	Floor	Masonry	Wall 1	Brown	5367	Negative	0.1
269	Balch Hall	Sink	Ceramic	Wall 2	White	5367	Negative	-0.1
259	Balch Hall	Wall	Sheetrock	Wall 1	White	5367	Negative	-0.3
260	Balch Hall	Wall	Ceramic	Wall 1	Brown	5367	Negative	-0.1
264	Balch Hall	Wall	Sheetrock	Wall 2	White	5367	Negative	0
265	Balch Hall	Wall	Ceramic	Wall 2	Brown	5367	Negative	-0.2
266	Balch Hall	Wall	Ceramic	Wall 3	Brown	5367	Negative	0.1
267	Balch Hall	Wall	Sheetrock	Wall 3	White	5367	Negative	-0.2
219	Balch Hall	Baseboard	Wood	Wall 1	Brown	5372	Negative	0
227	Balch Hall	Ceiling	Sheetrock	Wall 3	White	5372	Negative	0
220	Balch Hall	Door Molding	Steel	Wall 1	White	5372	Negative	0.6
224	Balch Hall	Radiator	Steel	Wall 3	Gray	5372	Negative	0.1
221	Balch Hall	Wall	Sheetrock	Wall 1	White	5372	Negative	0.1
222	Balch Hall	Wall	Sheetrock	Wall 2	White	5372	Negative	-0.3
223	Balch Hall	Wall	Sheetrock	Wall 3	White	5372	Negative	0.1
226	Balch Hall	Window Sash	Steel	Wall 3	Gray	5372	Negative	0.1
225	Balch Hall	Window Molding	Wood	Wall 3	White	5372	Negative	0
228	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5373	Negative	0.3
234	Balch Hall	Door Molding	Steel	Wall 3	White	5373	Negative	0.5
235	Balch Hall	Door Molding	Steel	Wall 4	White	5373	Negative	0.9
229	Balch Hall	Wall	Sheetrock	Wall 1	White	5373	Negative	0.1
232	Balch Hall	Wall	Sheetrock	Wall 2	White	5373	Negative	0.2
233	Balch Hall	Wall	Sheetrock	Wall 3	White	5373	Negative	0.4
236	Balch Hall	Wall	Sheetrock	Wall 4	White	5373	Negative	0.3
231	Balch Hall	Window Sash	Steel	Wall 1	Gray	5373	Negative	0.1
230	Balch Hall	Window Molding	Wood	Wall 1	White	5373	Negative	0.1
217	Balch Hall	Door Molding	Steel	Wall 3	White	5413	Positive	1.1
211	Balch Hall	Window Sash	Steel	Wall 1	Black	5413	Positive	71
218	Balch Hall	Baseboard	Wood	Wall 3	Brown	5413	Negative	0.2
213	Balch Hall	Radiator	Steel	Wall 1	Gray	5413	Negative	0.3

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
214	Balch Hall	Wall	Sheetrock	Wall 1	White	5413	Negative	0
215	Balch Hall	Wall	Sheetrock	Wall 2	White	5413	Negative	0
216	Balch Hall	Wall	Sheetrock	Wall 3	White	5413	Negative	-0.1
212	Balch Hall	Window Molding	Masonry	Wall 1	White	5413	Negative	0.1
208	Balch Hall	Radiator	Steel	Wall 3	Gray	5414	Positive	7.7
210	Balch Hall	Window Sash	Steel	Wall 3	Black	5414	Positive	56
204	Balch Hall	Baseboard	Wood	Wall 1	Brown	5414	Negative	0.2
206	Balch Hall	Ceiling	Sheetrock	Wall 1	White	5414	Negative	-0.3
203	Balch Hall	Door Molding	Steel	Wall 1	White	5414	Negative	0.6
205	Balch Hall	Wall	Sheetrock	Wall 1	White	5414	Negative	0.2
207	Balch Hall	Wall	Sheetrock	Wall 3	White	5414	Negative	-0.6
209	Balch Hall	Window Molding	Masonry	Wall 3	White	5414	Negative	0.2
202	Balch Hall	Door Molding	Steel	Wall 3	White	5417	Positive	1
197	Balch Hall	Ceiling	Masonry	Wall 1	White	5417	Negative	0
198	Balch Hall	Pipe	Steel	Wall 1	White	5417	Negative	0
195	Balch Hall	Wall	Ceramic	Wall 1	Brown	5417	Negative	0.1
196	Balch Hall	Wall	Masonry	Wall 1	White	5417	Negative	-0.1
199	Balch Hall	Wall	Masonry	Wall 2	White	5417	Negative	0
200	Balch Hall	Wall	Ceramic	Wall 2	Brown	5417	Negative	0.1
201	Balch Hall	Wall	Ceramic	Wall 3	Brown	5417	Negative	0.2
161	Balch Hall	Baseboard	Steel	Wall 1	Brown	5431	Negative	-0.1
165	Balch Hall	Door Molding	Steel	Wall 4	Brown	5431	Negative	0.5
162	Balch Hall	Wall	Sheetrock	Wall 1	White	5431	Negative	-0.2
163	Balch Hall	Wall	Sheetrock	Wall 3	White	5431	Negative	-0.2
164	Balch Hall	Wall	Sheetrock	Wall 4	White	5431	Negative	-0.3
188	Balch Hall	Door Molding	Steel	Wall 2	White	5432	Positive	4.8
194	Balch Hall	Radiator	Steel	Wall 4	Gray	5432	Positive	2.8
193	Balch Hall	Window Sash	Steel	Wall 4	Black	5432	Positive	75
189	Balch Hall	Baseboard	Wood	Wall 2	Brown	5432	Negative	0
190	Balch Hall	Wall	Sheetrock	Wall 3	White	5432	Negative	0.2
191	Balch Hall	Wall	Sheetrock	Wall 4	White	5432	Negative	-0.1
192	Balch Hall	Window Molding	Masonry	Wall 4	White	5432	Negative	0
167	Balch Hall	Baseboard	Steel	Wall 1	Brown	5433	Negative	-0.3

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
171	Balch Hall	Door Molding	Steel	Wall 4	White	5433	Negative	0.9
168	Balch Hall	Floor	Masonry	Wall 1	Brown	5433	Negative	0.1
166	Balch Hall	Wall	Sheetrock	Wall 1	White	5433	Negative	-0.2
169	Balch Hall	Wall	Sheetrock	Wall 3	White	5433	Negative	-0.2
170	Balch Hall	Wall	Sheetrock	Wall 4	White	5433	Negative	-0.4
185	Balch Hall	Window Sash	Steel	Wall 2	Black	5434	Positive	72
186	Balch Hall	Door Molding	Steel	Wall 4	White	5434	Negative	0.5
187	Balch Hall	Door Molding	Steel	Wall 4	White	5434	Negative	0.4
183	Balch Hall	Radiator	Steel	Wall 2	Gray	5434	Negative	0.2
180	Balch Hall	Wall	Ceramic	Wall 1	Brown	5434	Negative	-0.3
181	Balch Hall	Wall	Ceramic	Wall 1	White	5434	Negative	0.1
182	Balch Hall	Wall	Ceramic	Wall 2	Brown	5434	Negative	0.7
184	Balch Hall	Window Molding	Masonry	Wall 2	White	5434	Negative	0.4
176	Balch Hall	Window Sash	Steel	Wall 2	Black	5443	Positive	74
174	Balch Hall	Baseboard	Wood	Wall 2	Brown	5443	Negative	0.2
178	Balch Hall	Door Molding	Steel	Wall 3	White	5443	Negative	0.6
175	Balch Hall	Radiator	Steel	Wall 2	Gray	5443	Negative	0.2
172	Balch Hall	Wall	Sheetrock	Wall 1	White	5443	Negative	0.4
173	Balch Hall	Wall	Sheetrock	Wall 2	White	5443	Negative	0.1
179	Balch Hall	Wall	Sheetrock	Wall 4	White	5443	Negative	0
177	Balch Hall	Window Molding	Masonry	Wall 2	White	5443	Negative	0
158	Balch Hall	Door Molding	Steel	Wall 4	White	5462	Positive	4.5
154	Balch Hall	Radiator	Steel	Wall 2	Gray	5462	Positive	14.1
155	Balch Hall	Window Sash	Steel	Wall 2	Black	5462	Positive	70
153	Balch Hall	Baseboard	Wood	Wall 2	Brown	5462	Negative	-0.1
151	Balch Hall	Wall	Sheetrock	Wall 1	White	5462	Negative	0
152	Balch Hall	Wall	Sheetrock	Wall 2	White	5462	Negative	0
157	Balch Hall	Wall	Sheetrock	Wall 4	White	5462	Negative	-0.1
156	Balch Hall	Window Molding	Masonry	Wall 2	White	5462	Negative	0.1
113	Balch Hall	Door Molding	Steel	Wall 1	White	5465	Negative	0.7
114	Balch Hall	Wall	Sheetrock	Wall 1	White	5465	Negative	-0.1
115	Balch Hall	Wall	Sheetrock	Wall 3	White	5465	Negative	0.1
116	Balch Hall	Wall	Sheetrock	Wall 4	White	5465	Negative	-0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
136	Balch Hall	Door Molding	Steel	Wall 1	White	5467	Positive	6.4
142	Balch Hall	Window Sash	Steel	Wall 2	Black	5467	Positive	19.9
139	Balch Hall	Baseboard	Wood	Wall 2	Brown	5467	Negative	0
137	Balch Hall	Wall	Sheetrock	Wall 1	White	5467	Negative	0.2
138	Balch Hall	Wall	Sheetrock	Wall 2	White	5467	Negative	0.3
140	Balch Hall	Wall	Sheetrock	Wall 2	White	5467	Negative	0.4
143	Balch Hall	Wall	Sheetrock	Wall 3	White	5467	Negative	0
141	Balch Hall	Window Molding	Masonry	Wall 2	White	5467	Negative	0.2
147	Balch Hall	Radiator	Steel	Wall 3	Gray	5468	Positive	3
149	Balch Hall	Window Sash	Steel	Wall 3	Black	5468	Positive	72
146	Balch Hall	Baseboard	Wood	Wall 3	Brown	5468	Negative	0.1
150	Balch Hall	Door Molding	Steel	Wall 4	White	5468	Negative	0.4
144	Balch Hall	Wall	Sheetrock	Wall 1	White	5468	Negative	0
145	Balch Hall	Wall	Sheetrock	Wall 3	White	5468	Negative	-0.1
148	Balch Hall	Window Molding	Masonry	Wall 3	White	5468	Negative	0
126	Balch Hall	Window Sash	Steel	Wall 1	Black	5475	Positive	70
127	Balch Hall	Baseboard	Wood	Wall 2	Brown	5475	Negative	0.2
131	Balch Hall	Ceiling	Sheetrock	Wall 3	White	5475	Negative	-0.1
130	Balch Hall	Door Molding	Steel	Wall 3	White	5475	Negative	0.6
124	Balch Hall	Radiator	Steel	Wall 1	Gray	5475	Negative	0.2
128	Balch Hall	Wall	Sheetrock	Wall 2	White	5475	Negative	-0.1
129	Balch Hall	Wall	Sheetrock	Wall 3	White	5475	Negative	0
125	Balch Hall	Window Molding	Masonry	Wall 1	White	5475	Negative	0.1
106	Balch Hall	Baseboard	Wood	Wall 2	Brown	5482	Negative	0.2
109	Balch Hall	Ceiling	Sheetrock	Wall 3	White	5482	Negative	-0.2
105	Balch Hall	Door Molding	Steel	Wall 2	White	5482	Negative	0.4
110	Balch Hall	Radiator	Steel	Wall 4	Gray	5482	Negative	0.5
107	Balch Hall	Wall	Sheetrock	Wall 2	White	5482	Negative	-0.2
108	Balch Hall	Wall	Sheetrock	Wall 3	White	5482	Negative	-0.1
111	Balch Hall	Window Sash	Steel	Wall 4	Gray	5482	Negative	0.2
112	Balch Hall	Window Molding	Wood	Wall 4	White	5482	Negative	0
83	Balch Hall	Baluster	Steel	Wall 1	Black	6008	Positive	1.2
84	Balch Hall	Newel Post	Steel	Wall 1	Black	6008	Positive	2.7

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
82	Balch Hall	Riser	Steel	Wall 1	Black	6008	Positive	1.4
81	Balch Hall	Stringer	Steel	Wall 1	Black	6008	Positive	4
80	Balch Hall	Window Sash	Steel	Wall 1	Black	6008	Positive	74
85	Balch Hall	Baseboard	Steel	Wall 1	Black	6008	Negative	-0.2
79	Balch Hall	Window Molding	Masonry	Wall 1	White	6008	Negative	-0.1
52	Balch Hall	Door Molding	Steel	Wall 1	White	6009	Positive	1.2
59	Balch Hall	Window Sash	Steel	Wall 4	Black	6009	Positive	76
55	Balch Hall	Baluster	Steel	Wall 4	Black	6009	Negative	-0.3
56	Balch Hall	Baluster	Steel	Wall 4	Black	6009	Negative	0.1
53	Balch Hall	Door	Wood	Wall 1	White	6009	Negative	0.3
58	Balch Hall	Riser	Ceramic	Wall 4	Brown	6009	Negative	0
57	Balch Hall	Stair Tread	Ceramic	Wall 4	Brown	6009	Negative	0
51	Balch Hall	Wall	Masonry	Wall 1	White	6009	Negative	0.2
54	Balch Hall	Wall	Masonry	Wall 3	White	6009	Negative	0.3
588	Balch Hall	Ceiling	Sheetrock	Wall 1	White	6024	Negative	-0.1
592	Balch Hall	Ceiling	Sheetrock	Wall 2	White	6024	Negative	-0.1
591	Balch Hall	Door Molding	Steel	Wall 2	White	6024	Negative	0.5
595	Balch Hall	Radiator	Steel	Wall 4	Gray	6024	Negative	0.4
589	Balch Hall	Wall	Ceramic	Wall 1	Brown	6024	Negative	0.5
590	Balch Hall	Wall	Ceramic	Wall 2	Brown	6024	Negative	0.8
593	Balch Hall	Window Sash	Steel	Wall 4	Gray	6024	Negative	-0.1
594	Balch Hall	Window Molding	Wood	Wall 4	White	6024	Negative	-0.1
76	Balch Hall	Ceiling	Sheetrock	Wall 2	White	6034	Negative	-0.1
78	Balch Hall	Door Molding	Steel	Wall 4	White	6034	Negative	0.6
77	Balch Hall	Grate	Steel	Wall 4	Gray	6034	Negative	-0.1
75	Balch Hall	Radiator	Steel	Wall 2	Gray	6034	Negative	0
71	Balch Hall	Wall	Sheetrock	Wall 1	White	6034	Negative	-0.1
72	Balch Hall	Wall	Ceramic	Wall 1	Brown	6034	Negative	-0.6
74	Balch Hall	Window Sash	Steel	Wall 2	Gray	6034	Negative	0.1
73	Balch Hall	Window Molding	Wood	Wall 2	White	6034	Negative	-0.1
38	Balch Hall	Door Molding	Steel	Wall 2	White	6036	Negative	0.7
39	Balch Hall	Floor	Ceramic	Wall 2	White	6036	Negative	0.1
42	Balch Hall	Radiator	Steel	Wall 4	Gray	6036	Negative	0.2

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
36	Balch Hall	Wall	Ceramic	Wall 1	Brown	6036	Negative	-0.5
37	Balch Hall	Wall	Ceramic	Wall 2	Brown	6036	Negative	-0.6
41	Balch Hall	Window Sash	Steel	Wall 4	Gray	6036	Negative	0.2
40	Balch Hall	Window Molding	Wood	Wall 4	White	6036	Negative	0
65	Balch Hall	Floor	Masonry	Wall 1	Brown	6042	Negative	0
17	Balch Hall	Window Sash	Steel	Wall 3	Black	6043	Positive	74
12	Balch Hall	Ceiling	Sheetrock	Wall 2	White	6043	Negative	-0.2
14	Balch Hall	Door	Wood	Wall 1	White	6043	Negative	0
11	Balch Hall	Door Molding	Steel	Wall 2	Brown	6043	Negative	0.3
13	Balch Hall	Door Molding	Steel	Wall 1	White	6043	Negative	0.5
15	Balch Hall	Radiator	Steel	Wall 3	Gray	6043	Negative	0.4
10	Balch Hall	Wall	Sheetrock	Wall 2	White	6043	Negative	-0.2
16	Balch Hall	Window Molding	Masonry	Wall 3	White	6043	Negative	0.1
547	Balch Hall	Baseboard	Wood	Wall 3	Brown	6242	Negative	0.1
546	Balch Hall	Door Molding	Steel	Wall 3	White	6242	Negative	0.5
543	Balch Hall	Wall	Sheetrock	Wall 1	White	6242	Negative	0
544	Balch Hall	Wall	Sheetrock	Wall 2	White	6242	Negative	0
545	Balch Hall	Wall	Sheetrock	Wall 3	White	6242	Negative	0.5
548	Balch Hall	Baseboard	Wood	Wall 2	Brown	6246	Negative	0.1
549	Balch Hall	Door Molding	Steel	Wall 2	White	6246	Negative	0.6
555	Balch Hall	Radiator	Steel	Wall 4	Gray	6246	Negative	0.5
550	Balch Hall	Wall	Sheetrock	Wall 2	White	6246	Negative	0.1
551	Balch Hall	Wall	Sheetrock	Wall 3	White	6246	Negative	0
552	Balch Hall	Wall	Sheetrock	Wall 4	White	6246	Negative	0.6
554	Balch Hall	Window Sash	Steel	Wall 4	Gray	6246	Negative	0.2
553	Balch Hall	Window Molding	Wood	Wall 4	White	6246	Negative	-0.1
559	Balch Hall	Baseboard	Steel	Wall 4	Brown	6247	Negative	0
557	Balch Hall	Ceiling Grid	Sheetrock	Wall 2	White	6247	Negative	-0.4
560	Balch Hall	Door Molding	Steel	Wall 4	Brown	6247	Negative	0.5
556	Balch Hall	Wall	Sheetrock	Wall 2	White	6247	Negative	-0.3
558	Balch Hall	Wall	Sheetrock	Wall 4	White	6247	Negative	-0.4
561	Balch Hall	Wall	Sheetrock	Wall 4	White	6247	Negative	-0.2
572	Balch Hall	Baseboard	Wood	Wall 2	Brown	6253	Negative	0.1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
571	Balch Hall	Ceiling	Sheetrock	Wall 2	White	6253	Negative	-0.2
576	Balch Hall	Door Molding	Steel	Wall 4	White	6253	Negative	0.6
573	Balch Hall	Radiator	Steel	Wall 2	Gray	6253	Negative	0.1
569	Balch Hall	Wall	Sheetrock	Wall 1	White	6253	Negative	0.1
570	Balch Hall	Wall	Sheetrock	Wall 2	White	6253	Negative	-0.1
577	Balch Hall	Wall	Sheetrock	Wall 4	White	6253	Negative	0.1
575	Balch Hall	Window Sash	Steel	Wall 2	Gray	6253	Negative	0.1
574	Balch Hall	Window Molding	Wood	Wall 2	White	6253	Negative	-0.1
580	Balch Hall	Door Molding	Steel	Wall 2	White	6256	Positive	1
581	Balch Hall	Baseboard	Wood	Wall 2	Brown	6256	Negative	0.2
584	Balch Hall	Ceiling	Sheetrock	Wall 4	White	6256	Negative	-0.1
587	Balch Hall	Radiator	Steel	Wall 4	Gray	6256	Negative	0.1
578	Balch Hall	Wall	Sheetrock	Wall 1	White	6256	Negative	0.2
579	Balch Hall	Wall	Sheetrock	Wall 2	White	6256	Negative	-0.1
582	Balch Hall	Wall	Sheetrock	Wall 3	White	6256	Negative	0.1
583	Balch Hall	Wall	Sheetrock	Wall 4	White	6256	Negative	-0.1
586	Balch Hall	Window Sash	Steel	Wall 4	Gray	6256	Negative	0
585	Balch Hall	Window Molding	Wood	Wall 4	White	6256	Negative	-0.2
564	Balch Hall	Radiator	Steel	Wall 2	Gray	6263	Positive	11.8
566	Balch Hall	Window Sash	Steel	Wall 2	Black	6263	Positive	75
567	Balch Hall	Door Molding	Steel	Wall 4	White	6263	Negative	0.7
562	Balch Hall	Wall	Sheetrock	Wall 1	White	6263	Negative	0
563	Balch Hall	Wall	Sheetrock	Wall 2	White	6263	Negative	0
568	Balch Hall	Wall	Sheetrock	Wall 4	White	6263	Negative	0
565	Balch Hall	Window Molding	Masonry	Wall 2	White	6263	Negative	0.3
600	Balch Hall	Ceiling	Sheetrock	Wall 1	White	6267	Negative	0.1
602	Balch Hall	Door Molding	Steel	Wall 3	White	6267	Negative	0.4
596	Balch Hall	Radiator	Steel	Wall 1	Gray	6267	Negative	-0.2
599	Balch Hall	Wall	Sheetrock	Wall 1	White	6267	Negative	0.1
601	Balch Hall	Wall	Sheetrock	Wall 3	White	6267	Negative	0.2
597	Balch Hall	Window Sash	Steel	Wall 1	Gray	6267	Negative	0.3
598	Balch Hall	Window Molding	Wood	Wall 1	White	6267	Negative	0.1
610	Balch Hall	Window Sash	Steel	Wall 3	Black	6274	Positive	76

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
604	Balch Hall	Baseboard	Wood	Wall 1	Brown	6274	Negative	0.1
603	Balch Hall	Door Molding	Steel	Wall 1	White	6274	Negative	0.4
608	Balch Hall	Radiator	Steel	Wall 3	Gray	6274	Negative	0.7
605	Balch Hall	Wall	Sheetrock	Wall 1	White	6274	Negative	0
606	Balch Hall	Wall	Sheetrock	Wall 2	White	6274	Negative	-0.1
607	Balch Hall	Wall	Sheetrock	Wall 3	White	6274	Negative	0.1
609	Balch Hall	Window Molding	Masonry	Wall 3	White	6274	Negative	-0.1
64	Balch Hall	Ceiling	Steel	Wall 1	Black	6431	Positive	8.8
63	Balch Hall	Baseboard	Steel	Wall 2	Gray	6431	Negative	-0.2
60	Balch Hall	Ceiling	Sheetrock	Wall 1	White	6431	Negative	-0.1
61	Balch Hall	Wall	Sheetrock	Wall 1	White	6431	Negative	-0.4
62	Balch Hall	Wall	Sheetrock	Wall 2	White	6431	Negative	-0.2
67	Balch Hall	Ceiling	Sheetrock	Wall 1	White	6433	Negative	-0.2
70	Balch Hall	Door Molding	Steel	Wall 4	White	6433	Negative	0.2
66	Balch Hall	Floor	Ceramic	Wall 1	Brown	6433	Negative	-0.1
68	Balch Hall	Wall	Sheetrock	Wall 1	White	6433	Negative	0
69	Balch Hall	Wall	Sheetrock	Wall 3	White	6433	Negative	-0.1
87	Balch Hall	Door Molding	Steel	Wall 2	White	6434	Positive	3.9
86	Balch Hall	Baseboard	Wood	Wall 2	Brown	6434	Negative	0.2
91	Balch Hall	Ceiling	Sheetrock	Wall 4	White	6434	Negative	0
88	Balch Hall	Wall	Sheetrock	Wall 2	White	6434	Negative	-0.1
89	Balch Hall	Wall	Sheetrock	Wall 3	White	6434	Negative	-0.1
90	Balch Hall	Wall	Sheetrock	Wall 4	White	6434	Negative	0
93	Balch Hall	Window Sash	Steel	Wall 4	Gray	6434	Negative	0.2
92	Balch Hall	Window Molding	Wood	Wall 4	White	6434	Negative	-0.2
9	Balch Hall	Ceiling	Steel	Wall 2	Black	6461	Positive	8.2
8	Balch Hall	Ceiling	Masonry	Wall 2	Gray	6461	Negative	0
7	Balch Hall	Door	Wood	Wall 2	Brown	6461	Negative	0
6	Balch Hall	Door Molding	Steel	Wall 2	Brown	6461	Negative	0.4
5	Balch Hall	Floor	Masonry	Wall 1	Gray	6461	Negative	0.1
4	Balch Hall	Wall	Masonry	Wall 1	Gray	6461	Negative	-0.4
47	Balch Hall	Radiator	Steel	Wall 2	Gray	6462	Positive	5.3
50	Balch Hall	Baseboard	Wood	Wall 4	Brown	6462	Negative	0

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
48	Balch Hall	Door Molding	Steel	Wall 3	White	6462	Negative	0.4
49	Balch Hall	Door Molding	Steel	Wall 4	White	6462	Negative	0.3
43	Balch Hall	Wall	Sheetrock	Wall 1	White	6462	Negative	0
44	Balch Hall	Wall	Sheetrock	Wall 2	White	6462	Negative	-0.3
46	Balch Hall	Window Sash	Steel	Wall 2	Gray	6462	Negative	-0.2
45	Balch Hall	Window Molding	Wood	Wall 2	White	6462	Negative	-0.2
30	Balch Hall	Baseboard	Wood	Wall 2	Brown	6465	Negative	0.1
28	Balch Hall	Door Molding	Steel	Wall 1	White	6465	Negative	0.4
29	Balch Hall	Door Molding	Steel	Wall 2	White	6465	Negative	0.2
33	Balch Hall	Radiator	Steel	Wall 4	Gray	6465	Negative	0
31	Balch Hall	Wall	Sheetrock	Wall 2	White	6465	Negative	-0.1
32	Balch Hall	Wall	Sheetrock	Wall 4	White	6465	Negative	-0.3
34	Balch Hall	Window Molding	Wood	Wall 4	White	6465	Negative	-0.1
35	Balch Hall	Window Molding	Steel	Wall 4	Black	6465	Negative	0
23	Balch Hall	Radiator	Steel	Wall 3	Gray	6468	Positive	11.4
24	Balch Hall	Window Sash	Steel	Wall 3	Black	6468	Positive	53
22	Balch Hall	Baseboard	Wood	Wall 2	Brown	6468	Negative	0
25	Balch Hall	Ceiling	Sheetrock	Wall 3	White	6468	Negative	-0.3
18	Balch Hall	Door Molding	Steel	Wall 1	White	6468	Negative	0.9
19	Balch Hall	Door Molding	Steel	Wall 1	White	6468	Negative	0.9
27	Balch Hall	Door Molding	Steel	Wall 4	White	6468	Negative	0.8
20	Balch Hall	Wall	Sheetrock	Wall 1	White	6468	Negative	0.1
21	Balch Hall	Wall	Sheetrock	Wall 2	White	6468	Negative	0.1
26	Balch Hall	Wall	Sheetrock	Wall 4	White	6468	Negative	0.1
218	Balch Hall	Wall	Ceramic	Wall 4	Brown	2225B	Positive	1.2
217	Balch Hall	Wall	Ceramic	Wall 3	White	2225B	Negative	-0.2
343	Balch Hall	Ceiling	Sheetrock	Wall 2	White	2332B	Negative	-0.1
346	Balch Hall	Ceiling	Masonry	Wall 2	White	2332B	Negative	-0.3
344	Balch Hall	Door Molding	Steel	Wall 2	White	2332B	Negative	0.6
345	Balch Hall	Floor	Masonry	Wall 2	Gray	2332B	Negative	0.1
342	Balch Hall	Wall	Brick	Wall 2	Brown	2332B	Negative	-0.1
347	Balch Hall	Wall	Brick	Wall 4	White	2332B	Negative	-0.3
68	Balch Hall	Door Molding	Steel	Wall 2	Gray	Access	Positive	1

#	Site	Component	Substrate	Wall	Color	Room	Results	Mg/cm2
63	Balch Hall	I-Beam Ceiling	Steel	Wall 1	Gray	Access	Positive	7.1
64	Balch Hall	Structural Steel	Steel	Wall 1	Gray	Access	Positive	4.7
66	Balch Hall	Door	Wood	Wall 2	Brown	Access	Negative	0
65	Balch Hall	Ladder	Steel	Wall 1	Black	Access	Negative	-0.5
67	Balch Hall	Wall	Brick	Wall 2	Brown	Access	Negative	-0.1

Signature Page

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Signature Page

The individual listed below completed XRF testing at Balch Hall.

_____

Daryl Heffron, Risk Assessor

Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: **December 1, 2015**

MANUFACTURER AND MODEL:

Make: ***Heuresis***
Models: ***Model Pb200i***
Source: ***^{57}Co, 5 mCi (nominal – new source)***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level mode

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

ACTION LEVEL MODE READING DESCRIPTION	**SUBSTRATE**	**THRESHOLD (mg/cm^2)**
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in November 2015, with two separate instruments running software version 2.1-2 in Action Level test mode. The actual source strength of each instrument on the day of testing was approximately 2.0 mCi; source ages were approximately one year.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> <u>For each substrate type</u> (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th *Reading*)/6 - 1.02 mg/cm^2
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm^2. The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

Mean and Standard Deviation of Reading Times in Action Level Mode by Reading Level		
Reading (mg/cm^2)	**Mean Reading Time (seconds)**	**Standard Deviation (seconds)**
< 0.7	3.48	0.47
0.7	7.29	1.92
0.8	13.95	1.78
0.9 – 1.2	15.25	0.66
1.3 – 1.4	6.08	2.50
≥ 1.5	3.32	0.05

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm^2), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

This XRF Performance Characteristic Sheet (PCS) was developed by QuanTech, Inc., under a contract with the XRF manufacturer.

ATTACHMENT D

PCB Caulk Sampling Laboratory Results

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Asbestos & Environmental Consulting Corp. (4307)
Address: 6308 Fly Road
East Syracuse, NY 13057

Attn:

Project: Cornell University-Balch Hall
Location: 600 Thurston Ave, Ithaca, NY
Number: 18-237

Order #: 281686

Matrix Bulk
Received 10/01/18
Reported 10/05/18

PO Number:

Sample ID / Parameter	Cust. Sample ID	Location / Method	Result	RL*	Units	Analysis Date	Analyst
281686-001	CLK-006P	NW Chimney					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<415**	415	µg/Kg	10/01/18	AE
Aroclor - 1221		SW846 8082A	**<415**	415	µg/Kg	10/01/18	AE
Aroclor - 1232		SW846 8082A	**<415**	415	µg/Kg	10/01/18	AE
Aroclor - 1242		SW846 8082A	**<415**	415	µg/Kg	10/01/18	AE
Aroclor - 1248		SW846 8082A	**<415**	415	µg/Kg	10/01/18	AE
Aroclor - 1254		SW846 8082A	**<415**	415	µg/Kg	10/01/18	AE
Aroclor - 1260		SW846 8082A	**<415**	415	µg/Kg	10/01/18	AE
Aroclor - 1262		SW846 8082A	**<415**	415	µg/Kg	10/01/18	AE
Aroclor - 1268		SW846 8082A	**<415**	415	µg/Kg	10/01/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					
281686-002	CLK-012P	SW Coping Stone					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<783**	783	µg/Kg	10/01/18	AE
Aroclor - 1221		SW846 8082A	**<783**	783	µg/Kg	10/01/18	AE
Aroclor - 1232		SW846 8082A	**<783**	783	µg/Kg	10/01/18	AE
Aroclor - 1242		SW846 8082A	**<783**	783	µg/Kg	10/01/18	AE
Aroclor - 1248		SW846 8082A	**<783**	783	µg/Kg	10/01/18	AE
Aroclor - 1254		SW846 8082A	**<783**	783	µg/Kg	10/01/18	AE
Aroclor - 1260		SW846 8082A	**<783**	783	µg/Kg	10/01/18	AE
Aroclor - 1262		SW846 8082A	**<783**	783	µg/Kg	10/01/18	AE
Aroclor - 1268		SW846 8082A	**<783**	783	µg/Kg	10/01/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Asbestos & Environmental Consulting Corp. (4307)
Address: 6308 Fly Road
East Syracuse, NY 13057

Attn:

Project: Cornell University-Balch Hall
Location: 600 Thurston Ave, Ithaca, NY
Number: 18-237

Order #: 281686

Matrix Bulk
Received 10/01/18
Reported 10/05/18

PO Number:

Sample ID / Parameter	Cust. Sample ID	Location / Method	Result	RL*	Units	Analysis Date	Analyst
281686-003	CLK-013P	E Slate Roof/Slate@Gable					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<453**	452	µg/Kg	10/01/18	AE
Aroclor - 1221		SW846 8082A	**<453**	452	µg/Kg	10/01/18	AE
Aroclor - 1232		SW846 8082A	**<453**	452	µg/Kg	10/01/18	AE
Aroclor - 1242		SW846 8082A	**<453**	452	µg/Kg	10/01/18	AE
Aroclor - 1248		SW846 8082A	**<453**	452	µg/Kg	10/01/18	AE
Aroclor - 1254		SW846 8082A	**<453**	452	µg/Kg	10/01/18	AE
Aroclor - 1260		SW846 8082A	**<453**	452	µg/Kg	10/01/18	AE
Aroclor - 1262		SW846 8082A	**<453**	452	µg/Kg	10/01/18	AE
Aroclor - 1268		SW846 8082A	**<453**	452	µg/Kg	10/01/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					
281686-004	CLK-014P	E Slate Roof/Stone/Gable					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<394**	393	µg/Kg	10/01/18	AE
Aroclor - 1221		SW846 8082A	**<394**	393	µg/Kg	10/01/18	AE
Aroclor - 1232		SW846 8082A	**<394**	393	µg/Kg	10/01/18	AE
Aroclor - 1242		SW846 8082A	**<394**	393	µg/Kg	10/01/18	AE
Aroclor - 1248		SW846 8082A	**<394**	393	µg/Kg	10/01/18	AE
Aroclor - 1254		SW846 8082A	**<394**	393	µg/Kg	10/01/18	AE
Aroclor - 1260		SW846 8082A	**<394**	393	µg/Kg	10/01/18	AE
Aroclor - 1262		SW846 8082A	**<394**	393	µg/Kg	10/01/18	AE
Aroclor - 1268		SW846 8082A	**<394**	393	µg/Kg	10/01/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Asbestos & Environmental Consulting Corp. (4307)
Address: 6308 Fly Road
East Syracuse, NY 13057

Attn:

Project: Cornell University-Balch Hall
Location: 600 Thurston Ave, Ithaca, NY
Number: 18-237

Order #: 281686

Matrix Bulk
Received 10/01/18
Reported 10/05/18

PO Number:

Sample ID / Parameter	Cust. Sample ID / Method	Result	RL*	Units	Analysis Date	Analyst
281686-10/05/18 08:24 AM						

Reviewed By: **Ben Wood**
Analyst

State Certifications

Method	Parameter	New York	Virginia
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified

State	Certificate Number
New York	ELAP 57776
Virginia	VELAP 9908

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.

AECC
ENVIRONMENTAL CONSULTING

PCB in Bulk Sample Chain of Custody

Project No.	18-237	AECC Contact:	Bryan Bowers
Client	Goody Clancy	Office Phone:	315-432-9400
Address	**Cornell University – Balch Hall**	Office Fax:	315-432-9405
	600 Thurston Ave	E-mail:	labdata@aeccgroup.com
	Ithaca, New York		

Sample ID	Material Description	Sample Location
CLK-006P	Chimney Repair Caulk (Soft, Gray)	Northwest Chimney
CLK-012P	Coping Stone Caulk (Gray)	Southwest Coping Stone
CLK-013P	Slate Repair Caulk (Soft, Gray/Brown)	East Slate Roof – Under Slate at Gable Edge
CLK-014P	Coping Stone Caulk (Tan)	East Slate Roof – Between Stone on Gable

Analyses Required: EPA 8082s PCB

Sample Turnaround Time: 5 Day **Verbal To:** _____ **Phone:** _____

Sampled By:	Nick Coulombe	**Date:**	9/27/18
Shipped By:		**Date:**	
Received By Lab:		**Date:**	
Results e-mailed By:		**Date:**	

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Asbestos & Environmental Consulting Corp. (4307)
Address: 6308 Fly Road
East Syracuse, NY 13057

Attn:

Project: Cornell University- Balch Hall
Location: Ithaca, New York
Number: 18-237

Order #: 293727

Matrix Bulk
Received 12/24/18
Reported 12/27/18

PO Number:

Sample ID / Parameter	Cust. Sample ID	Location / Method	Result	RL*	Units	Analysis Date	Analyst
293727-001	CLK-018P	Storage 2426					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<469**	468	µg/Kg	12/26/18	AE
Aroclor - 1221		SW846 8082A	**<469**	468	µg/Kg	12/26/18	AE
Aroclor - 1232		SW846 8082A	**<469**	468	µg/Kg	12/26/18	AE
Aroclor - 1242		SW846 8082A	**<469**	468	µg/Kg	12/26/18	AE
Aroclor - 1248		SW846 8082A	**<469**	468	µg/Kg	12/26/18	AE
Aroclor - 1254		SW846 8082A	**<469**	468	µg/Kg	12/26/18	AE
Aroclor - 1260		SW846 8082A	**<469**	468	µg/Kg	12/26/18	AE
Aroclor - 1262		SW846 8082A	**<469**	468	µg/Kg	12/26/18	AE
Aroclor - 1268		SW846 8082A	**<469**	468	µg/Kg	12/26/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					
293727-002	CLK-039P	Trash Room 2411					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<1440**	1430	µg/Kg	12/26/18	AE
Aroclor - 1221		SW846 8082A	**<1440**	1430	µg/Kg	12/26/18	AE
Aroclor - 1232		SW846 8082A	**<1440**	1430	µg/Kg	12/26/18	AE
Aroclor - 1242		SW846 8082A	**<1440**	1430	µg/Kg	12/26/18	AE
Aroclor - 1248		SW846 8082A	**<1440**	1430	µg/Kg	12/26/18	AE
Aroclor - 1254		SW846 8082A	**<1440**	1430	µg/Kg	12/26/18	AE
Aroclor - 1260		SW846 8082A	**<1440**	1430	µg/Kg	12/26/18	AE
Aroclor - 1262		SW846 8082A	**<1440**	1430	µg/Kg	12/26/18	AE
Aroclor - 1268		SW846 8082A	**<1440**	1430	µg/Kg	12/26/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Asbestos & Environmental Consulting Corp. (4307)
Address: 6308 Fly Road
East Syracuse, NY 13057

Attn:

Project: Cornell University- Balch Hall
Location: Ithaca, New York
Number: 18-237

Order #: 293727

Matrix Bulk
Received 12/24/18
Reported 12/27/18

PO Number:

Sample ID / Parameter	Cust. Sample ID / Method	Result	RL*	Units	Analysis Date	Analyst
293727-003	CLK-062P / Terrace					
Semi-volatile Organic Compounds						
Aroclor - 1016	SW846 8082A	**<562**	562	µg/Kg	12/26/18	AE
Aroclor - 1221	SW846 8082A	**<562**	562	µg/Kg	12/26/18	AE
Aroclor - 1232	SW846 8082A	**<562**	562	µg/Kg	12/26/18	AE
Aroclor - 1242	SW846 8082A	**<562**	562	µg/Kg	12/26/18	AE
Aroclor - 1248	SW846 8082A	**<562**	562	µg/Kg	12/26/18	AE
Aroclor - 1254	SW846 8082A	**<562**	562	µg/Kg	12/26/18	AE
Aroclor - 1260	SW846 8082A	**<562**	562	µg/Kg	12/26/18	AE
Aroclor - 1262	SW846 8082A	**<562**	562	µg/Kg	12/26/18	AE
Aroclor - 1268	SW846 8082A	**<562**	562	µg/Kg	12/26/18	AE
PCB - Surrogate Recoveries						
DCB	MI					
TCMX	0%					
293727-004	CLK-151P / Exterior Window Room 2328					
Semi-volatile Organic Compounds						
Aroclor - 1016	SW846 8082A	**<556**	555	µg/Kg	12/26/18	AE
Aroclor - 1221	SW846 8082A	**<556**	555	µg/Kg	12/26/18	AE
Aroclor - 1232	SW846 8082A	**<556**	555	µg/Kg	12/26/18	AE
Aroclor - 1242	SW846 8082A	**<556**	555	µg/Kg	12/26/18	AE
Aroclor - 1248	SW846 8082A	**<556**	555	µg/Kg	12/26/18	AE
Aroclor - 1254	SW846 8082A	**<556**	555	µg/Kg	12/26/18	AE
Aroclor - 1260	SW846 8082A	**<556**	555	µg/Kg	12/26/18	AE
Aroclor - 1262	SW846 8082A	**<556**	555	µg/Kg	12/26/18	AE
Aroclor - 1268	SW846 8082A	**<556**	555	µg/Kg	12/26/18	AE
PCB - Surrogate Recoveries						
DCB	MI					
TCMX	MI					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Asbestos & Environmental Consulting Corp. (4307)
Address: 6308 Fly Road
East Syracuse, NY 13057

Attn:

Project: Cornell University- Balch Hall
Location: Ithaca, New York
Number: 18-237

Order #: 293727

Matrix Bulk
Received 12/24/18
Reported 12/27/18

PO Number:

Sample ID / Parameter	Cust. Sample ID	Location / Method	Result	RL*	Units	Analysis Date	Analyst
293727-005	CLK-159P	Stone Wall Main Entry					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<542**	542	µg/Kg	12/26/18	AE
Aroclor - 1221		SW846 8082A	**<542**	542	µg/Kg	12/26/18	AE
Aroclor - 1232		SW846 8082A	**<542**	542	µg/Kg	12/26/18	AE
Aroclor - 1242		SW846 8082A	**<542**	542	µg/Kg	12/26/18	AE
Aroclor - 1248		SW846 8082A	**<542**	542	µg/Kg	12/26/18	AE
Aroclor - 1254		SW846 8082A	**<542**	542	µg/Kg	12/26/18	AE
Aroclor - 1260		SW846 8082A	**<542**	542	µg/Kg	12/26/18	AE
Aroclor - 1262		SW846 8082A	**<542**	542	µg/Kg	12/26/18	AE
Aroclor - 1268		SW846 8082A	**<542**	542	µg/Kg	12/26/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					
293727-006	CLK-163P	Stone Railing Courtyard					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<565**	564	µg/Kg	12/26/18	AE
Aroclor - 1221		SW846 8082A	**<565**	564	µg/Kg	12/26/18	AE
Aroclor - 1232		SW846 8082A	**<565**	564	µg/Kg	12/26/18	AE
Aroclor - 1242		SW846 8082A	**<565**	564	µg/Kg	12/26/18	AE
Aroclor - 1248		SW846 8082A	**<565**	564	µg/Kg	12/26/18	AE
Aroclor - 1254		SW846 8082A	**<565**	564	µg/Kg	12/26/18	AE
Aroclor - 1260		SW846 8082A	**<565**	564	µg/Kg	12/26/18	AE
Aroclor - 1262		SW846 8082A	**<565**	564	µg/Kg	12/26/18	AE
Aroclor - 1268		SW846 8082A	**<565**	564	µg/Kg	12/26/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Asbestos & Environmental Consulting Corp. (4307)
Address: 6308 Fly Road
East Syracuse, NY 13057

Attn:

Project: Cornell University- Balch Hall
Location: Ithaca, New York
Number: 18-237

Order #: 293727

Matrix Bulk
Received 12/24/18
Reported 12/27/18

PO Number:

Sample ID / Parameter	Cust. Sample ID	Location / Method	Result	RL*	Units	Analysis Date	Analyst
293727-007	CLK-166P	Door To 2411					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<564**	564	µg/Kg	12/26/18	AE
Aroclor - 1221		SW846 8082A	**<564**	564	µg/Kg	12/26/18	AE
Aroclor - 1232		SW846 8082A	**<564**	564	µg/Kg	12/26/18	AE
Aroclor - 1242		SW846 8082A	**<564**	564	µg/Kg	12/26/18	AE
Aroclor - 1248		SW846 8082A	**<564**	564	µg/Kg	12/26/18	AE
Aroclor - 1254		SW846 8082A	**<564**	564	µg/Kg	12/26/18	AE
Aroclor - 1260		SW846 8082A	**<564**	564	µg/Kg	12/26/18	AE
Aroclor - 1262		SW846 8082A	**<564**	564	µg/Kg	12/26/18	AE
Aroclor - 1268		SW846 8082A	**<564**	564	µg/Kg	12/26/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					
293727-008	CLK-167P	Door To Corridor 2052					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<488**	488	µg/Kg	12/26/18	AE
Aroclor - 1221		SW846 8082A	**<488**	488	µg/Kg	12/26/18	AE
Aroclor - 1232		SW846 8082A	**<488**	488	µg/Kg	12/26/18	AE
Aroclor - 1242		SW846 8082A	**<488**	488	µg/Kg	12/26/18	AE
Aroclor - 1248		SW846 8082A	**<488**	488	µg/Kg	12/26/18	AE
Aroclor - 1254		SW846 8082A	**<488**	488	µg/Kg	12/26/18	AE
Aroclor - 1260		SW846 8082A	**<488**	488	µg/Kg	12/26/18	AE
Aroclor - 1262		SW846 8082A	**<488**	488	µg/Kg	12/26/18	AE
Aroclor - 1268		SW846 8082A	**<488**	488	µg/Kg	12/26/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.

Analysis Report

Schneider Laboratories Global, Inc

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804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Asbestos & Environmental Consulting Corp. (4307)
Address: 6308 Fly Road
East Syracuse, NY 13057

Attn:

Project: Cornell University- Balch Hall
Location: Ithaca, New York
Number: 18-237

Order #: 293727

Matrix Bulk
Received 12/24/18
Reported 12/27/18

PO Number:

Sample ID / Parameter	Cust. Sample ID	Location / Method	Result	RL*	Units	Analysis Date	Analyst
293727-009	CLK-165P	Wood Seam Caulk Entry					
Semi-volatile Organic Compounds							
Aroclor - 1016		SW846 8082A	**<504**	503	µg/Kg	12/26/18	AE
Aroclor - 1221		SW846 8082A	**<504**	503	µg/Kg	12/26/18	AE
Aroclor - 1232		SW846 8082A	**<504**	503	µg/Kg	12/26/18	AE
Aroclor - 1242		SW846 8082A	**<504**	503	µg/Kg	12/26/18	AE
Aroclor - 1248		SW846 8082A	**<504**	503	µg/Kg	12/26/18	AE
Aroclor - 1254		SW846 8082A	**<504**	503	µg/Kg	12/26/18	AE
Aroclor - 1260		SW846 8082A	**<504**	503	µg/Kg	12/26/18	AE
Aroclor - 1262		SW846 8082A	**<504**	503	µg/Kg	12/26/18	AE
Aroclor - 1268		SW846 8082A	**<504**	503	µg/Kg	12/26/18	AE
PCB - Surrogate Recoveries							
DCB		MI					
TCMX		MI					

293727-12/27/18 09:22 AM

Reviewed By: **Thoria Nadiem**
Analyst

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.

Analysis Report

Schneider Laboratories Global, Inc

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475

Customer: Asbestos & Environmental Consulting Corp. (4307)
Address: 6308 Fly Road
East Syracuse, NY 13057

Attn:

Project: Cornell University- Balch Hall
Location: Ithaca, New York
Number: 18-237

Order #: 293727

Matrix Bulk
Received 12/24/18
Reported 12/27/18

PO Number:

Sample ID / Parameter	Cust. Sample ID / Method	Location	Result	RL*	Units	Analysis Date	Analyst

State Certifications

Method	Parameter	New York	Virginia
SW846 8082A	Aroclor - 1016	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1221	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1232	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1242	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1248	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1254	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1260	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1262	ELAP Certified	VELAP Certified
SW846 8082A	Aroclor - 1268	ELAP Certified	VELAP Certified

State	Certificate Number
New York	ELAP 57776
Virginia	VELAP 9908

All internal QC parameters were met. Unusual sample conditions, if any, are described. Surrogate Spike results designated with "D" indicate that the analyte was diluted out. "MI" indicates matrix interference. Concentration and *Reporting Limit (RL) based on areas provided by client. Values are reported to three significant figures. Solid PPM = mg/kg | PPB = µg/kg and Water PPM = mg/L | PPB = µg/L. The test results reported relate only to the samples submitted.

AECC
ENVIRONMENTAL CONSULTING

293727 R 9
V:\293\293727
jdobb 12/24/2018 10:0 :04 AM
UPS 1Z2E2899906 1754 73

PCB in Bulk Sample Chain of Custody

Project No. 18-237
Client Goody Clancy
Address **Cornell University – Balch Hall**
600 Thurston Ave
Ithaca, New York

AECC Contact: Bryan Bowers
Office Phone: 315-432-9400
Office Fax: 315-432-9405
E-mail: labdata@aeccgroup.com

Sample ID	Material Description	Sample Location
CLK-018P	WINDOW CAULK (TAN)	STORAGE 2426
CLK-039P	DOOR CAULK (GRAY)	TRASH ROOM 2411
CLK-062P	STONE LEDGE CAULK (TAN)	TERRACE
CLK-151P	WINDOW CAULK (WHITE)	EXTERIOR WINDOW ON ROOM 2328
CLK-159P	STONE WALL CAULK (TAN GRAY)	STONE WALL @ MAIN ENTRY
CLK-163P	STONE RAILING CAULK (GRAY)	STONE RAILING IN COURTYARD
CLK-166P	DOOR CAULK (GRAY)	DOOR TO 2411
CLK-167P	DOOR CAULK (BROWN)	DOOR TO CORRIDOR 2052
CLK-165P	WOOD SEAM CAULK (TAN/YELLOW)	TAT ROOM ENTRY

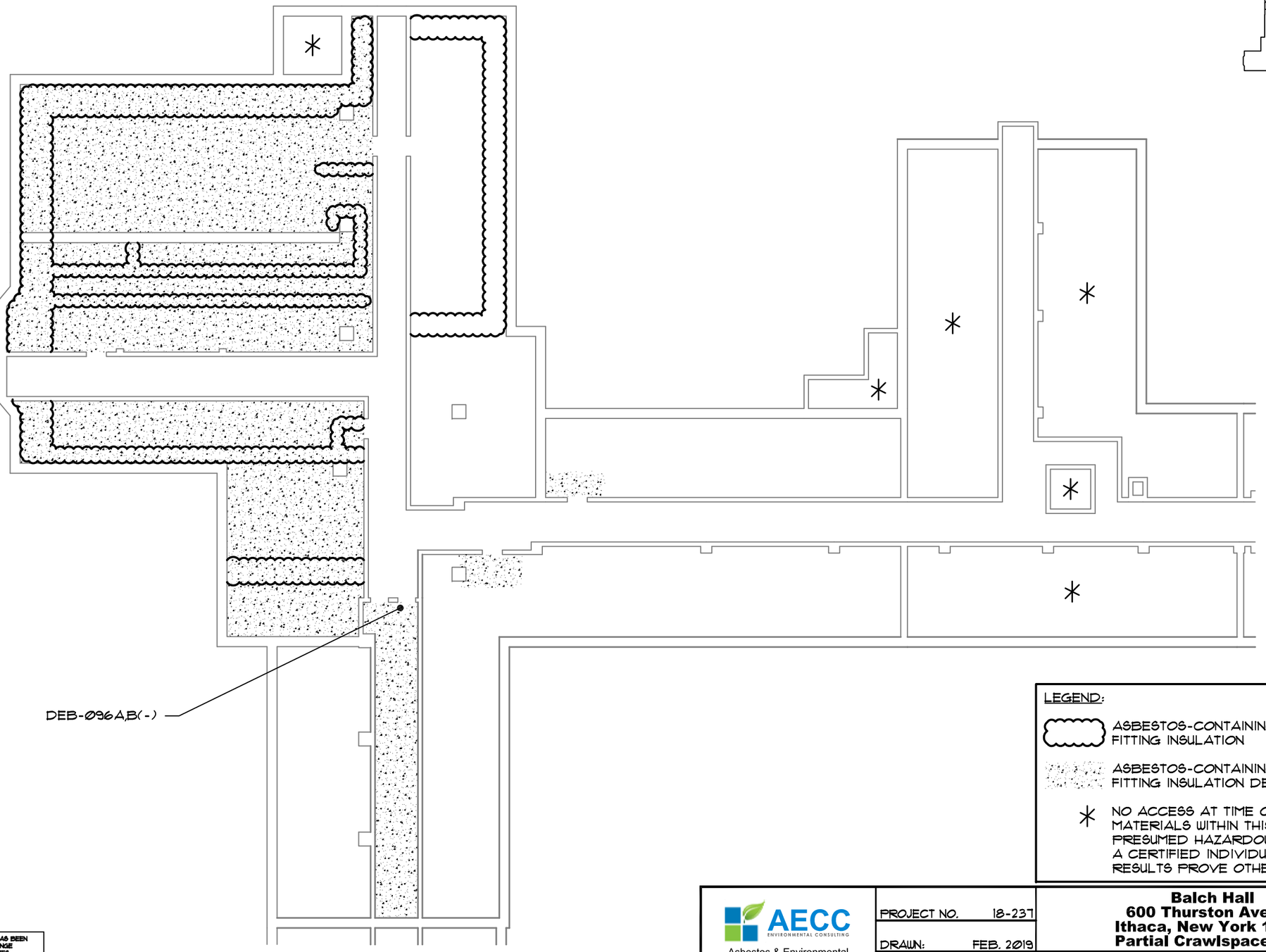
Analyses Required: EPA 8082s PCB

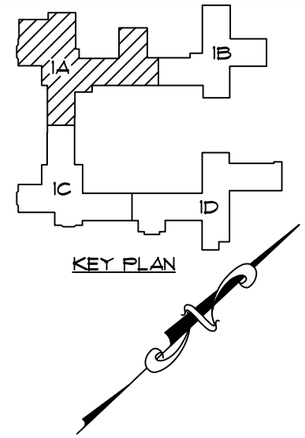
Sample Turnaround Time: 5 DAY Verbal To: _____ Phone: _____

Sampled By:		Date: 12/20/18
Shipped By:		Date:
Received By Lab:		Date:
Results e-mailed By:		Date:

ATTACHMENT E

Figures 1A through 8D (27 Drawings)





LEGEND:

ASBESTOS-CONTAINING PIPE AND/OR PIPE FITTING INSULATION

ASBESTOS-CONTAINING PIPE AND/OR PIPE FITTING INSULATION DEBRIS

✳ NO ACCESS AT TIME OF SURVEY. BUILDING MATERIALS WITHIN THIS SPACE MUST BE PRESUMED HAZARDOUS, UNTIL EXAMINED BY A CERTIFIED INDIVIDUAL AND LABORATORY RESULTS PROVE OTHERWISE.

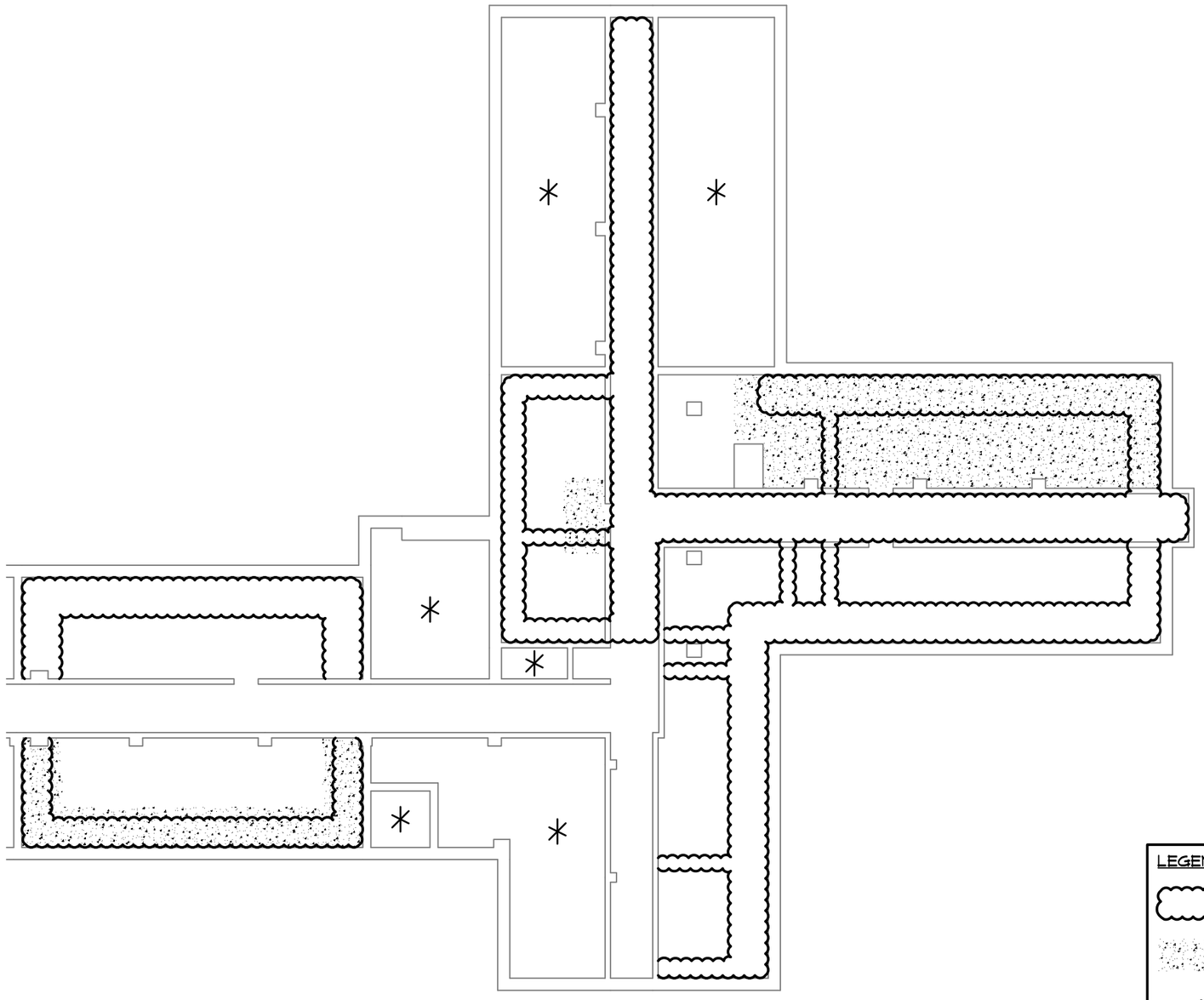
AECC
ENVIRONMENTAL CONSULTING
Asbestos & Environmental Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

PROJECT NO. 18-237
DRAWN: FEB. 2019
DRAWN BY: HS
CHECKED BY: BB

Balch Hall
600 Thurston Avenue
Ithaca, New York 14850
Partial Crawlspace Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
1A



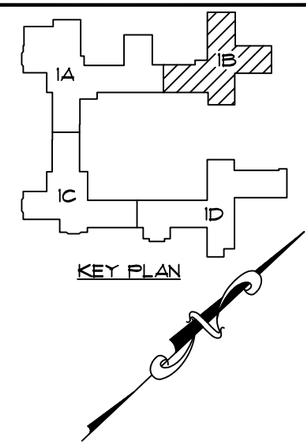


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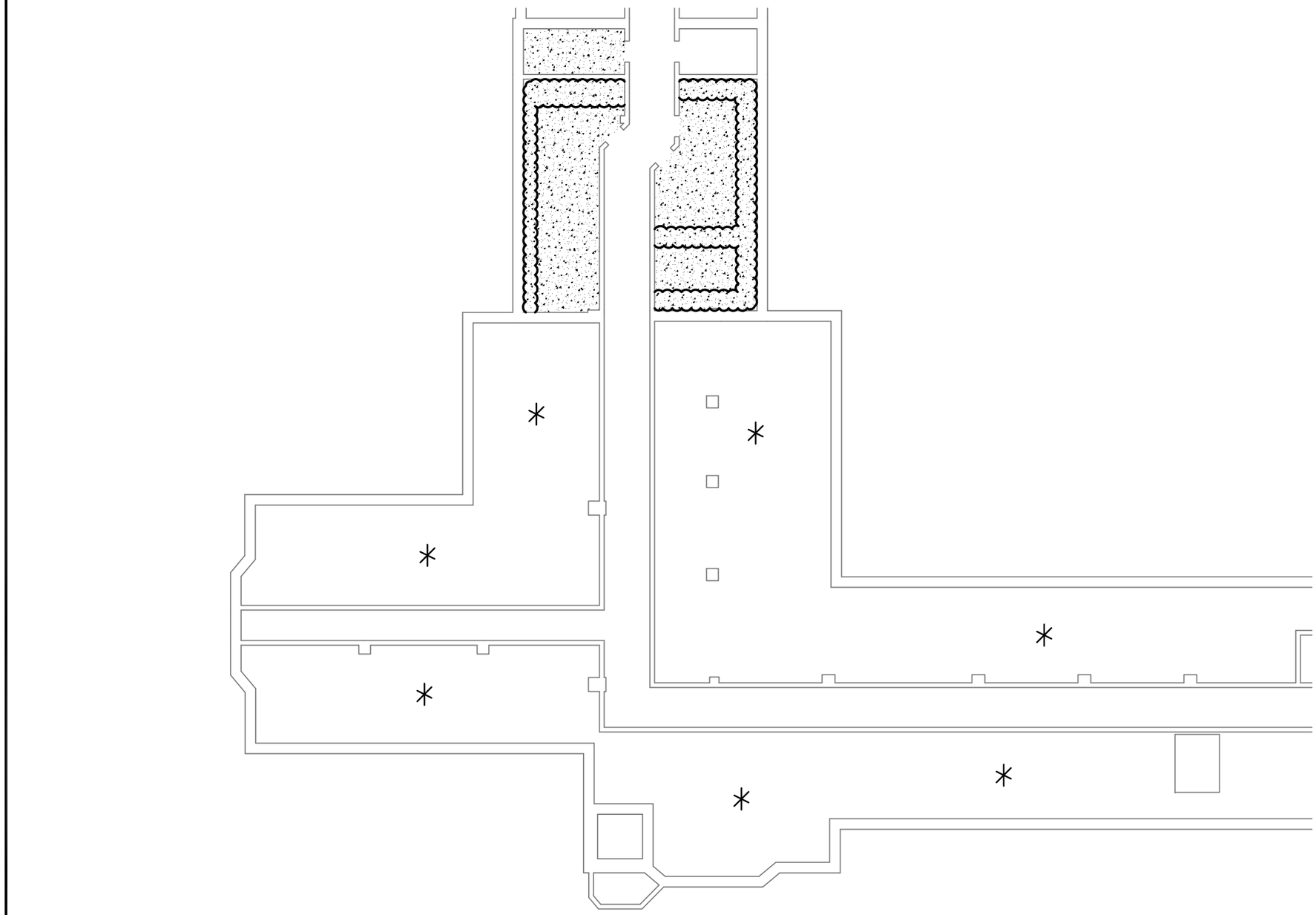
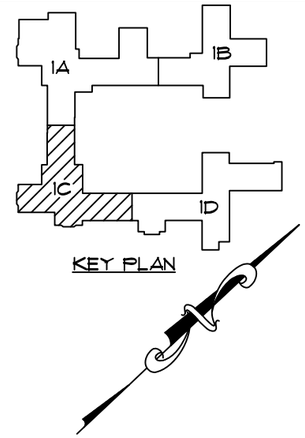
FIGURE
1B





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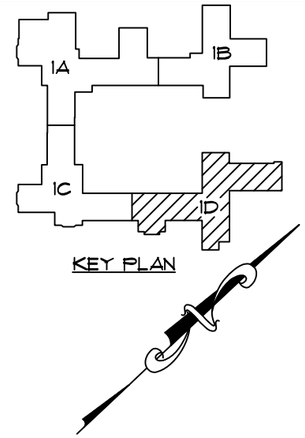
Partial Crawlspace Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE

1C



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Limited Hazardous Material Pre-Renovation Survey

FIGURE
1D

NOTE:

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- ASBESTOS-CONTAINING PIPE AND/OR PIPE FITTING INSULATION DEBRIS
- ASBESTOS-CONTAINING CEILING TILE MASTIC
- ASBESTOS-CONTAINING FLOOR TILE
- G — ASBESTOS-CONTAINING WINDOW OR DOOR VISION PANEL GLAZING COMPOUND
- ASBESTOS-CONTAINING WALL AND/OR PIPE PENETRATION SEALANT
- ASBESTOS-CONTAINING HEATER INSULATION BOARD
- INC — ASBESTOS-CONTAINING INCINERATOR PATCHING COMPOUND
- PRESUMED ASBESTOS-CONTAINING CORK FLOORING MASTIC
- ELEV — PRESUMED ASBESTOS-CONTAINING ELEVATOR COMPONENTS
- EC — PRESUMED ASBESTOS-CONTAINING ELECTRICAL COMPONENTS

ACTM-105A,B(-)
ACTM-106A,B(+)
FD-179A,B(-)
FD-179C(-)
FD-178A,B,C(-)
CPM-085A(-)
FT-084A,B(+)
CPM-085B(-)
FD-177A,B,C(-)
GLZ-155A,B(-)
FBRK-156A,B(-)
PAT-157A,B(+)
GRT-158A,B(-)
ACT-104B(-)
ACT-104A(-)
PLS-079C(-)
PLB-080C(-)
FT-100A,B(-)
FTM-101A,B(-)
COAT-095A(-)
MAS-091A(+)
PAT-092A(-)
PAT-093C(-)
SEAL-090B(-)
PAT-093A,B(-)
SEAL-090A(-)
STRD-102A,B(-)
STM-103A,B(-)
PAT-092B(-)
PLB-094A(-)
MAS-091B(+)
COAT-095B(-)
PLB-094B(-)
COAT-095C(-)
PAT-092C(-)
PLB-097A(-)
PLS-098A(-)
PLB-097B(-)
PLS-098B(-)
PLB-094C(-)
PLB-097C(-)
PLS-098C(-)
SEAL-154A,B(+)
DEB-153A,B(-)
SEAL-099A,B(-)
CPM-086B(-)
CB-087B(-)
CBM-088B(-)
ACT-089A(-)
LINO-082B(-)
LMAS-083B(-)
CPM-086A(-)
CB-087A(-)
CBM-088A(-)
ACT-089B(-)
PM-081B(-)
LINO-082A(-)
LMAS-083A(-)
PM-081A(-)

KEY PLAN

IMPORTANT SURVEY NOTE:

DUE TO THE OCCUPIED STATUS OF THE BUILDING, DESTRUCTIVE SAMPLING COULD NOT BE PERFORMED AT THE TIME OF THE SURVEY. AS SUCH, ASBESTOS-CONTAINING MATERIALS ARE LIKELY PRESENT ABOVE HARD CEILINGS AND INSIDE WALL CHASES. AECC HAS ASSUMED LOCATIONS OF ASBESTOS-CONTAINING PIPE/PIPE FITTING INSULATION, BASED UPON THE ORIGINAL PLUMBING DRAWINGS (1927). IF THESE AREAS SHALL BE DISTURBED BY THE PROPOSED RENOVATION WORK, ADDITIONAL INVESTIGATION AND/OR SAMPLING SHALL BE REQUIRED TO COMPLY WITH STATE/FEDERAL REGULATIONS.

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Balch Hall
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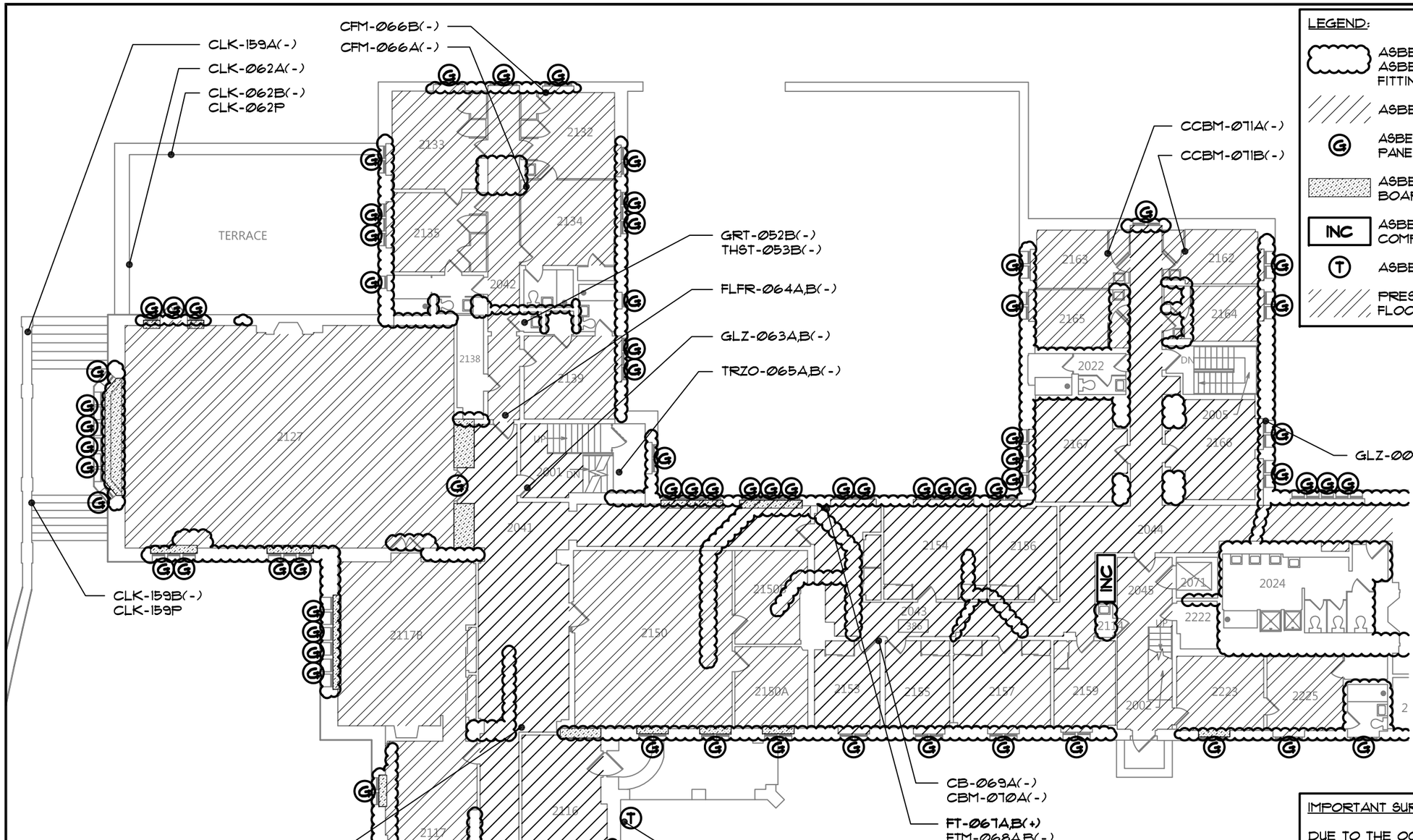
First Floor Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
2



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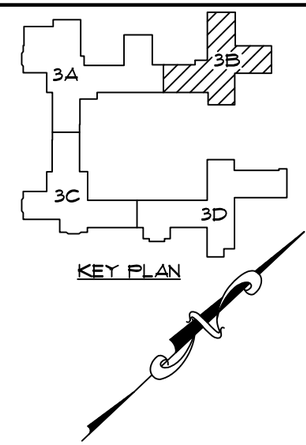
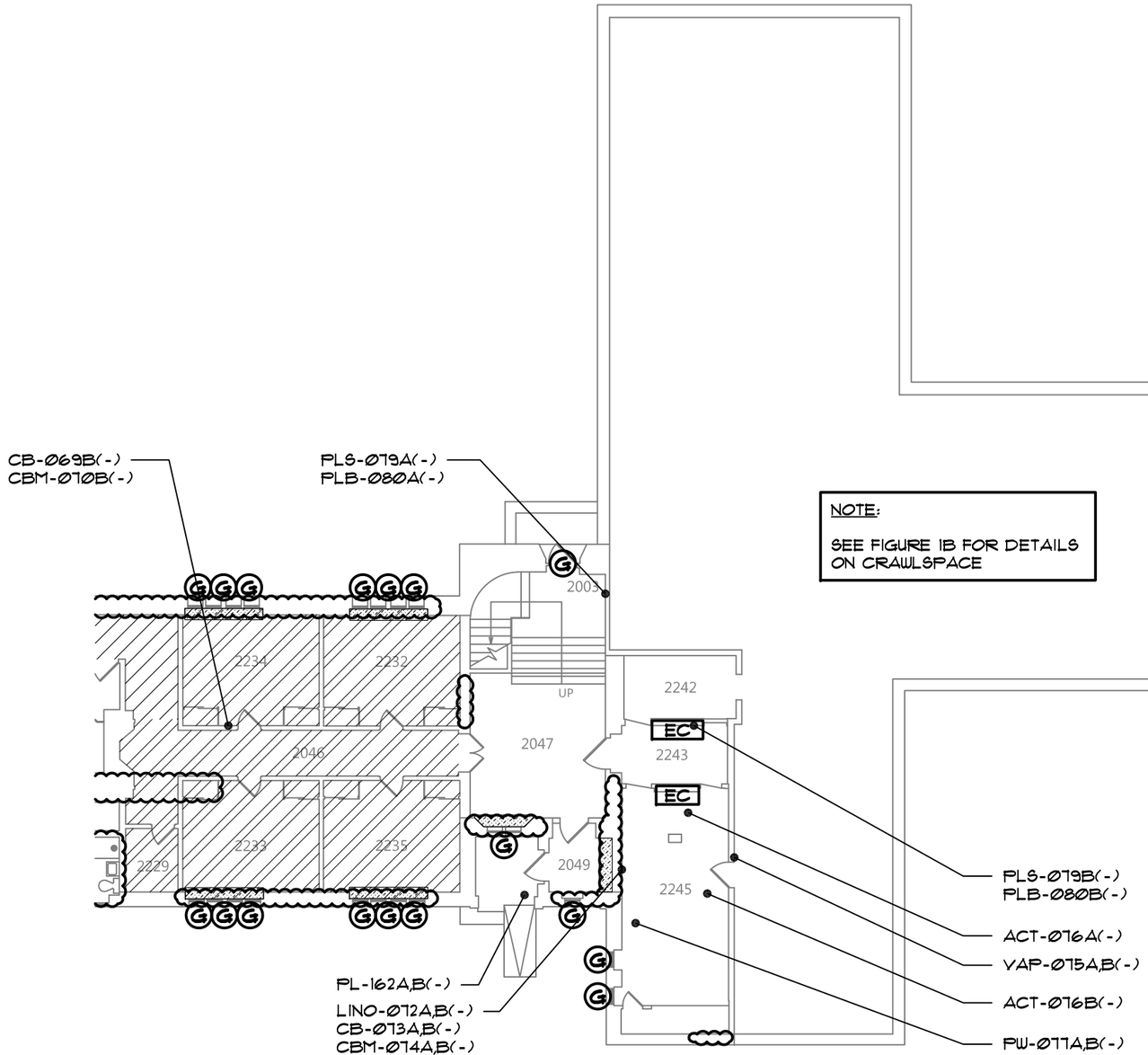
Partial Second Floor Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
3A



KEY PLAN



NOTE:

SEE FIGURE 1B FOR DETAILS ON CRAWLSPACE

LEGEND:

- ASBESTOS-CONTAINING AND/OR PRESUMED ASBESTOS-CONTAINING PIPE AND/OR PIPE FITTING INSULATION
- ASBESTOS-CONTAINING FLOOR TILE
- G — ASBESTOS-CONTAINING WINDOW OR DOOR VISION PANEL GLAZING COMPOUND
- ASBESTOS-CONTAINING HEATER INSULATION BOARD
- PRESUMED ASBESTOS-CONTAINING CORK FLOORING MASTIC
- EC — PRESUMED ASBESTOS-CONTAINING ELECTRICAL COMPONENTS

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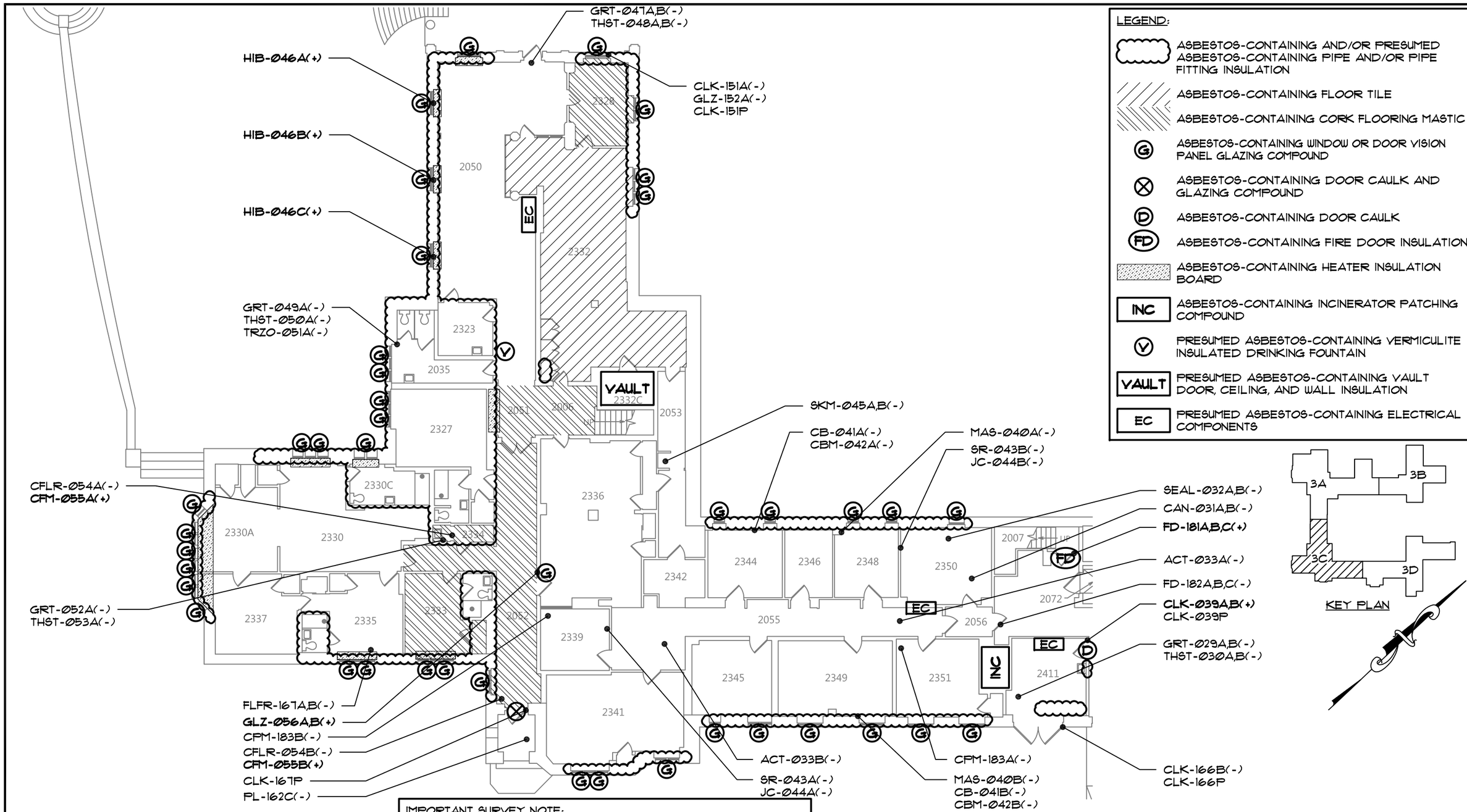
Partial Second Floor Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
3B



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- ASBESTOS-CONTAINING FLOOR TILE
- ASBESTOS-CONTAINING CORK FLOORING MASTIC
- (G) ASBESTOS-CONTAINING WINDOW OR DOOR VISION PANEL GLAZING COMPOUND
- ⊗ ASBESTOS-CONTAINING DOOR CAULK AND GLAZING COMPOUND
- (D) ASBESTOS-CONTAINING DOOR CAULK
- (FD) ASBESTOS-CONTAINING FIRE DOOR INSULATION
- ASBESTOS-CONTAINING HEATER INSULATION BOARD
- INC ASBESTOS-CONTAINING INCINERATOR PATCHING COMPOUND
- (V) PRESUMED ASBESTOS-CONTAINING VERMICULITE INSULATED DRINKING FOUNTAIN
- VAULT PRESUMED ASBESTOS-CONTAINING VAULT DOOR, CEILING, AND WALL INSULATION
- EC PRESUMED ASBESTOS-CONTAINING ELECTRICAL COMPONENTS

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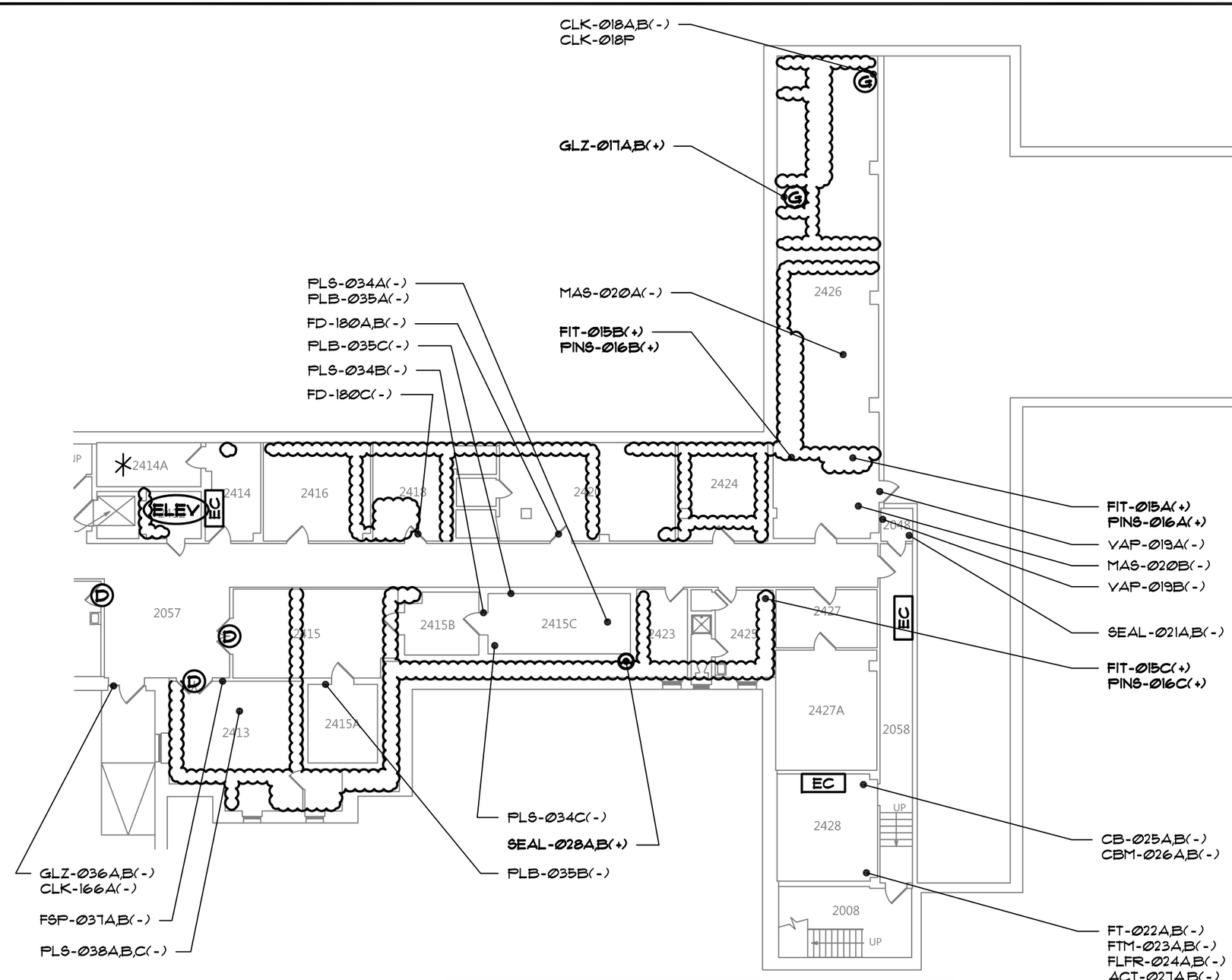
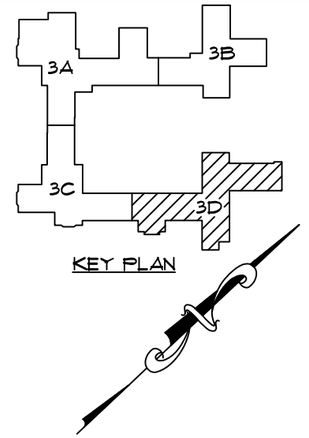
Partial Second Floor Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
3C





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- (G) ASBESTOS-CONTAINING WINDOW OR DOOR VISION PANEL GLAZING COMPOUND
- (D) ASBESTOS-CONTAINING DOOR CAULK
- ASBESTOS-CONTAINING WALL AND/OR PIPE PENETRATION SEALANT
- ELEV PRESUMED ASBESTOS-CONTAINING ELEVATOR COMPONENTS
- EC PRESUMED ASBESTOS-CONTAINING ELECTRICAL COMPONENTS

NOTE:

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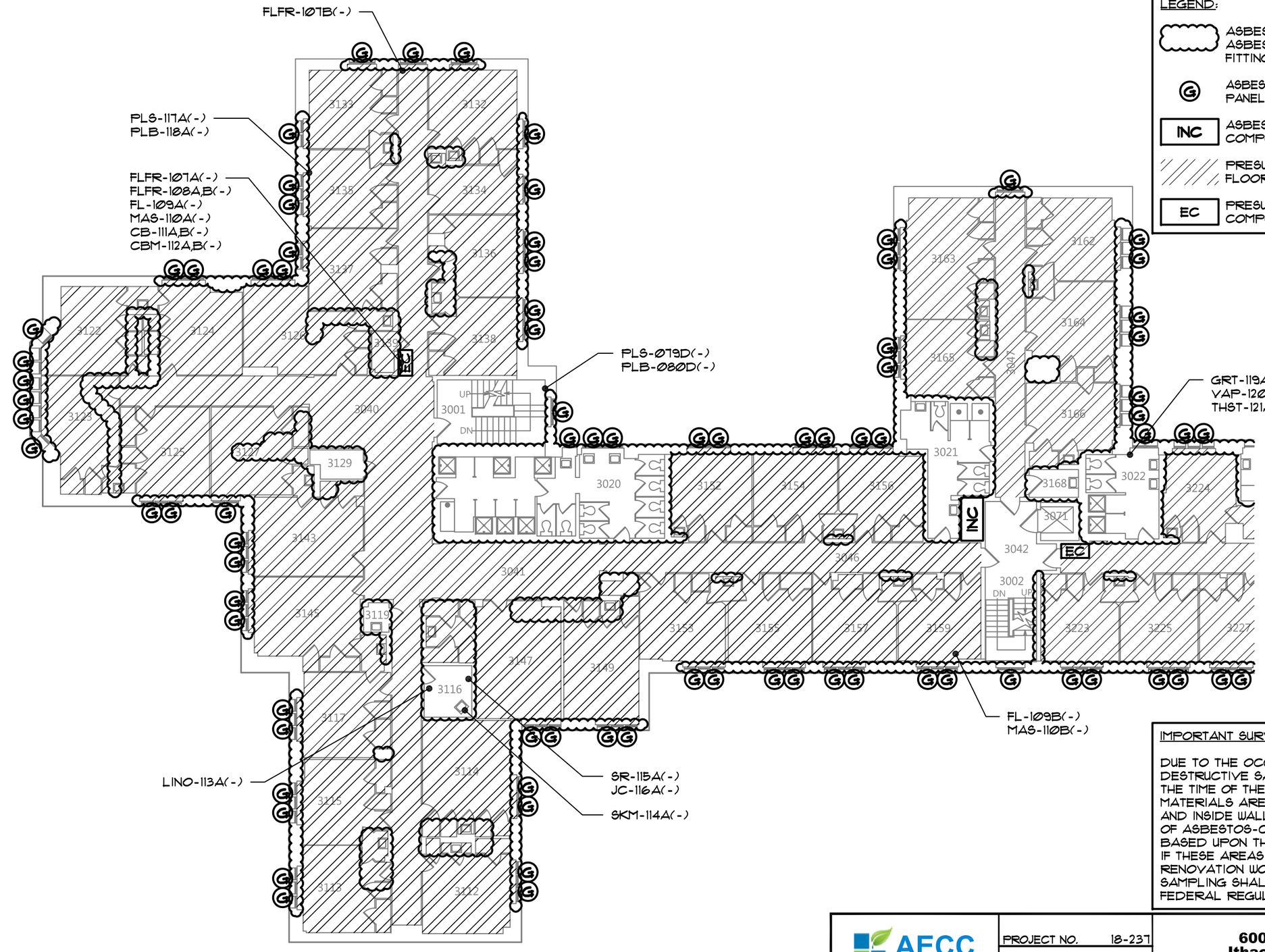
FIGURE
3D



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- G — ASBESTOS-CONTAINING WINDOW OR DOOR VISION PANEL GLAZING COMPOUND
- INC — ASBESTOS-CONTAINING INCINERATOR PATCHING COMPOUND
- PRESUMED ASBESTOS-CONTAINING CORK FLOORING MASTIC
- EC — PRESUMED ASBESTOS-CONTAINING ELECTRICAL COMPONENTS

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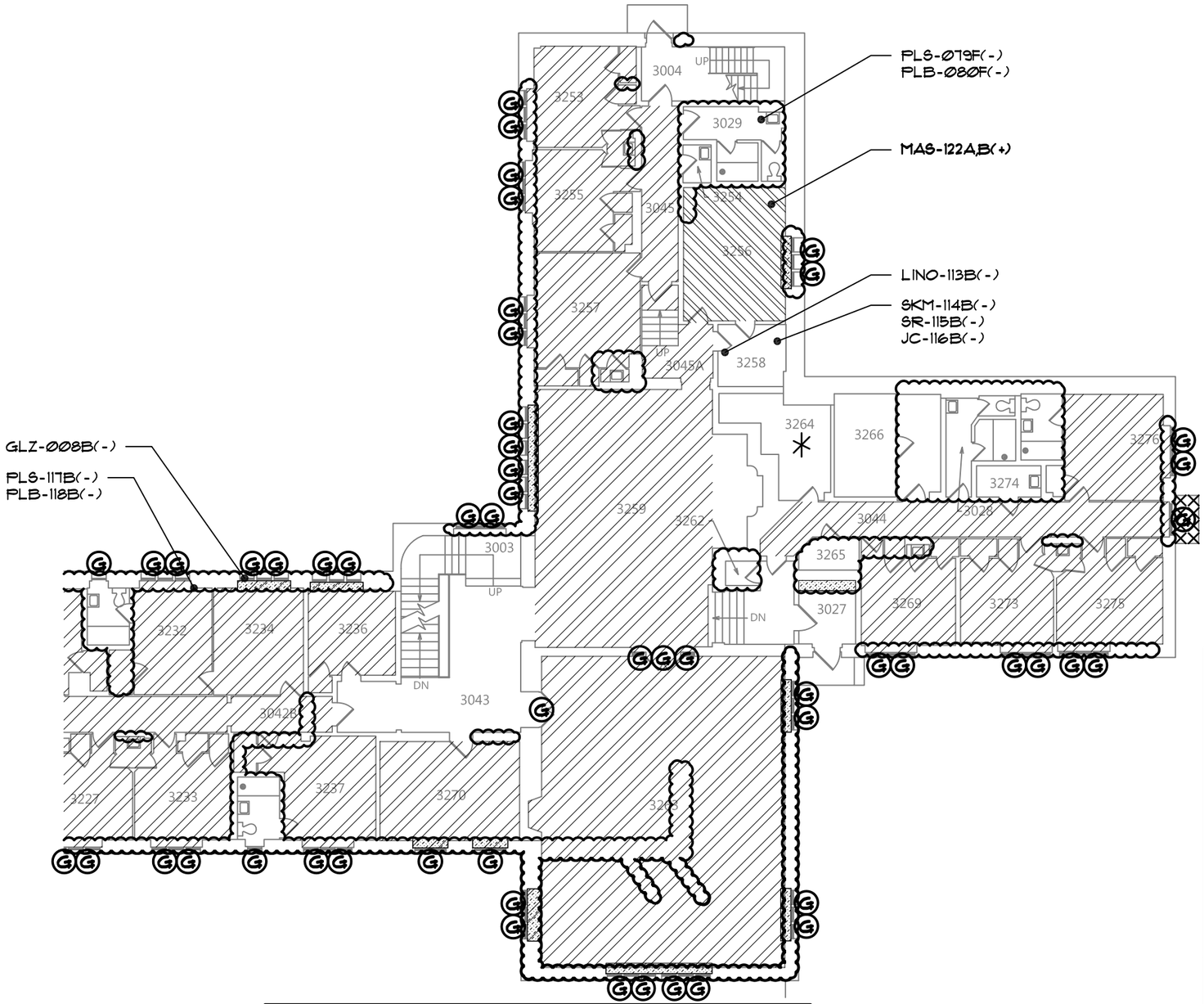
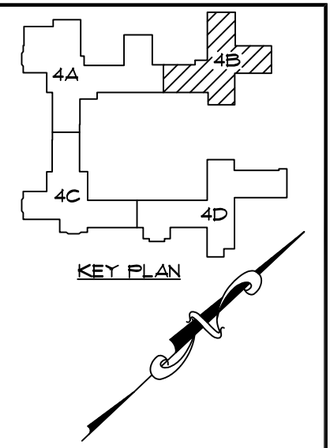
Partial Third Floor Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
4A





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- ASBESTOS-CONTAINING CORK FLOORING MASTIC
- G — ASBESTOS-CONTAINING WINDOW OR DOOR VISION PANEL GLAZING COMPOUND
- ASBESTOS-CONTAINING HEATER INSULATION BOARD
- XXXXX ASBESTOS-CONTAINING ROOF CEMENT
- PRESUMED ASBESTOS-CONTAINING CORK FLOORING MASTIC

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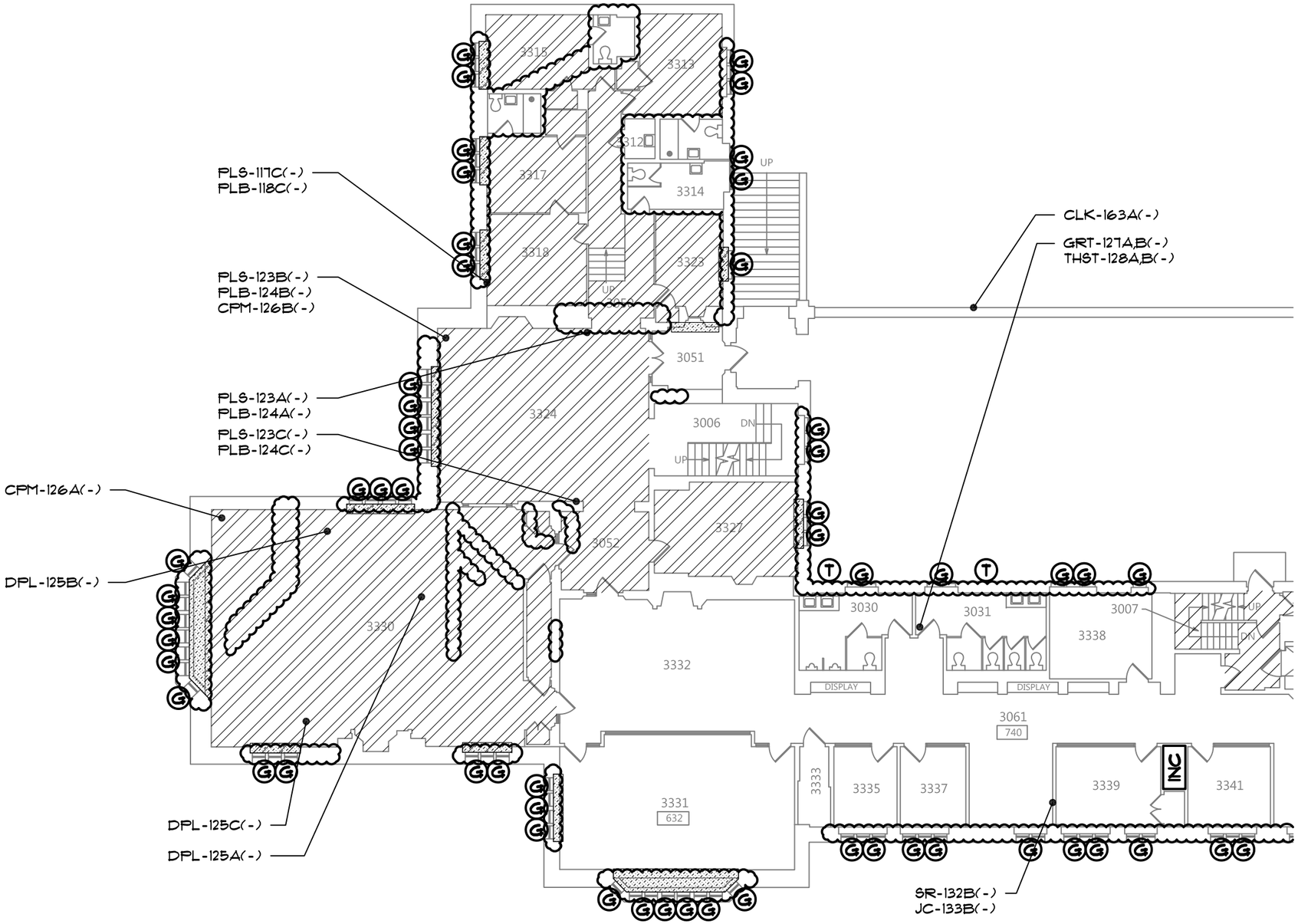
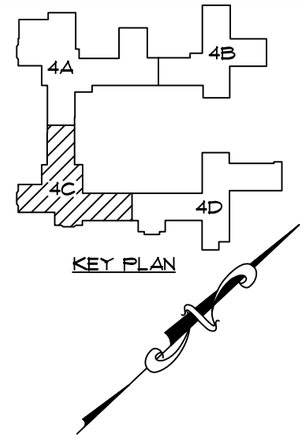
Partial Third Floor Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
4B





KEY PLAN

LEGEND:

- ASBESTOS-CONTAINING AND/OR PRESUMED ASBESTOS-CONTAINING PIPE AND/OR PIPE FITTING INSULATION
- ASBESTOS-CONTAINING FLOOR TILE
- G — ASBESTOS-CONTAINING WINDOW OR DOOR VISION PANEL GLAZING COMPOUND
- ASBESTOS-CONTAINING HEATER INSULATION BOARD
- INC — ASBESTOS-CONTAINING INCINERATOR PATCHING COMPOUND
- T — ASBESTOS-CONTAINING TRANSITE DRAIN PIPE
- PRESUMED ASBESTOS-CONTAINING CORK FLOORING MASTIC

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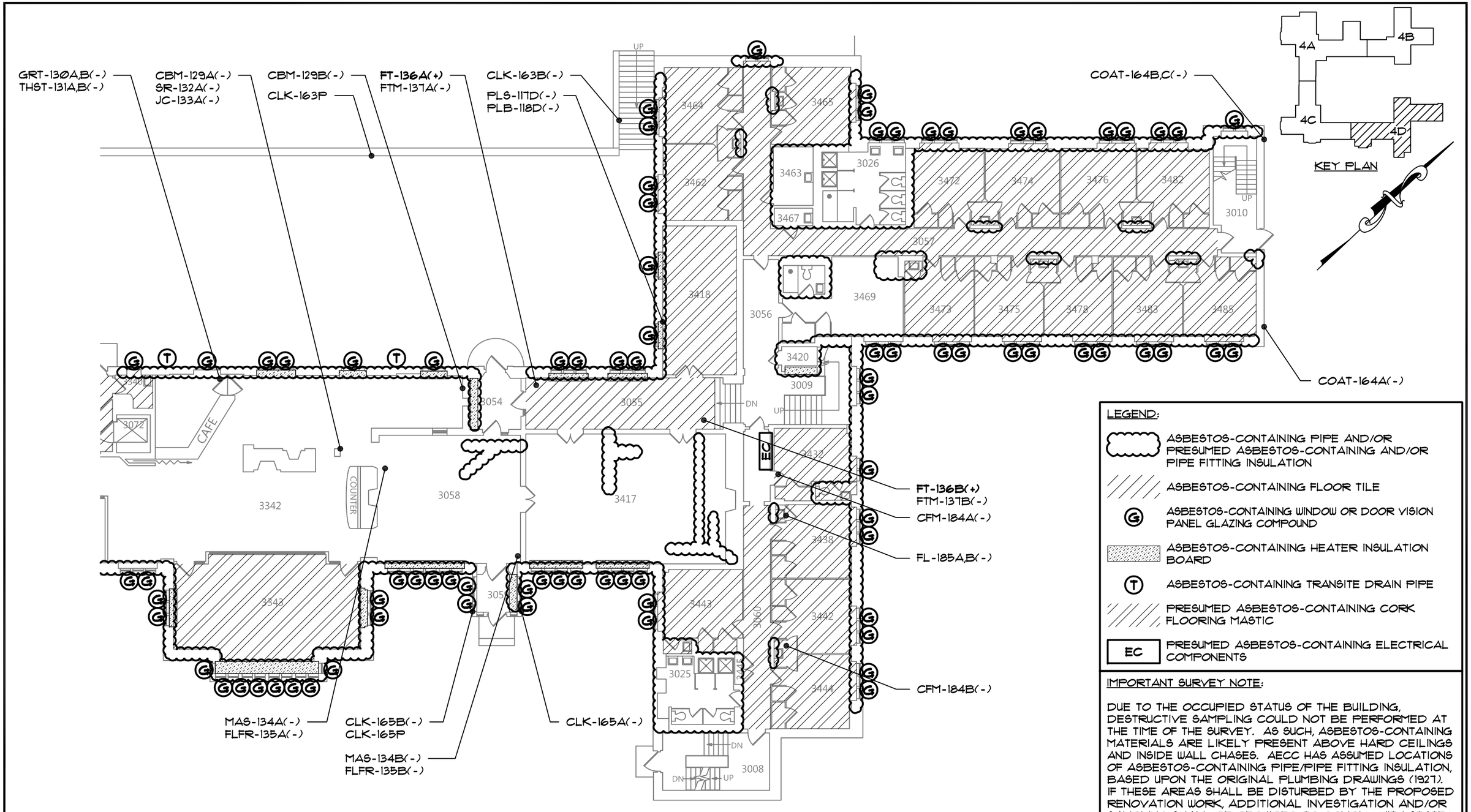
Balch Hall
600 Thurston Avenue
Ithaca, New York 14850
Partial Third Floor Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
4C



LEGEND:

- ASBESTOS-CONTAINING PIPE AND/OR PRESUMED ASBESTOS-CONTAINING AND/OR PIPE FITTING INSULATION
- ASBESTOS-CONTAINING FLOOR TILE
- (G) ASBESTOS-CONTAINING WINDOW OR DOOR VISION PANEL GLAZING COMPOUND
- ASBESTOS-CONTAINING HEATER INSULATION BOARD
- (T) ASBESTOS-CONTAINING TRANSITE DRAIN PIPE
- PRESUMED ASBESTOS-CONTAINING CORK FLOORING MASTIC
- EC PRESUMED ASBESTOS-CONTAINING ELECTRICAL COMPONENTS

IMPORTANT SURVEY NOTE:

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6308 Fly Road
East Syracuse, NY 13057

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Partial Third Floor Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
4D

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- G — ASBESTOS-CONTAINING WINDOW OR DOOR VISION PANEL GLAZING COMPOUND
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- PRESUMED ASBESTOS-CONTAINING CORK FLOORING MASTIC
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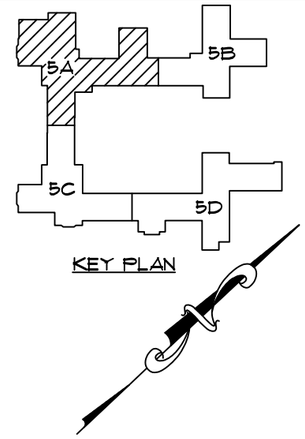

KEY PLAN

PLS-079E(-)
PLB-080E(-)

PLS-117G(-)
PLB-118G(-)

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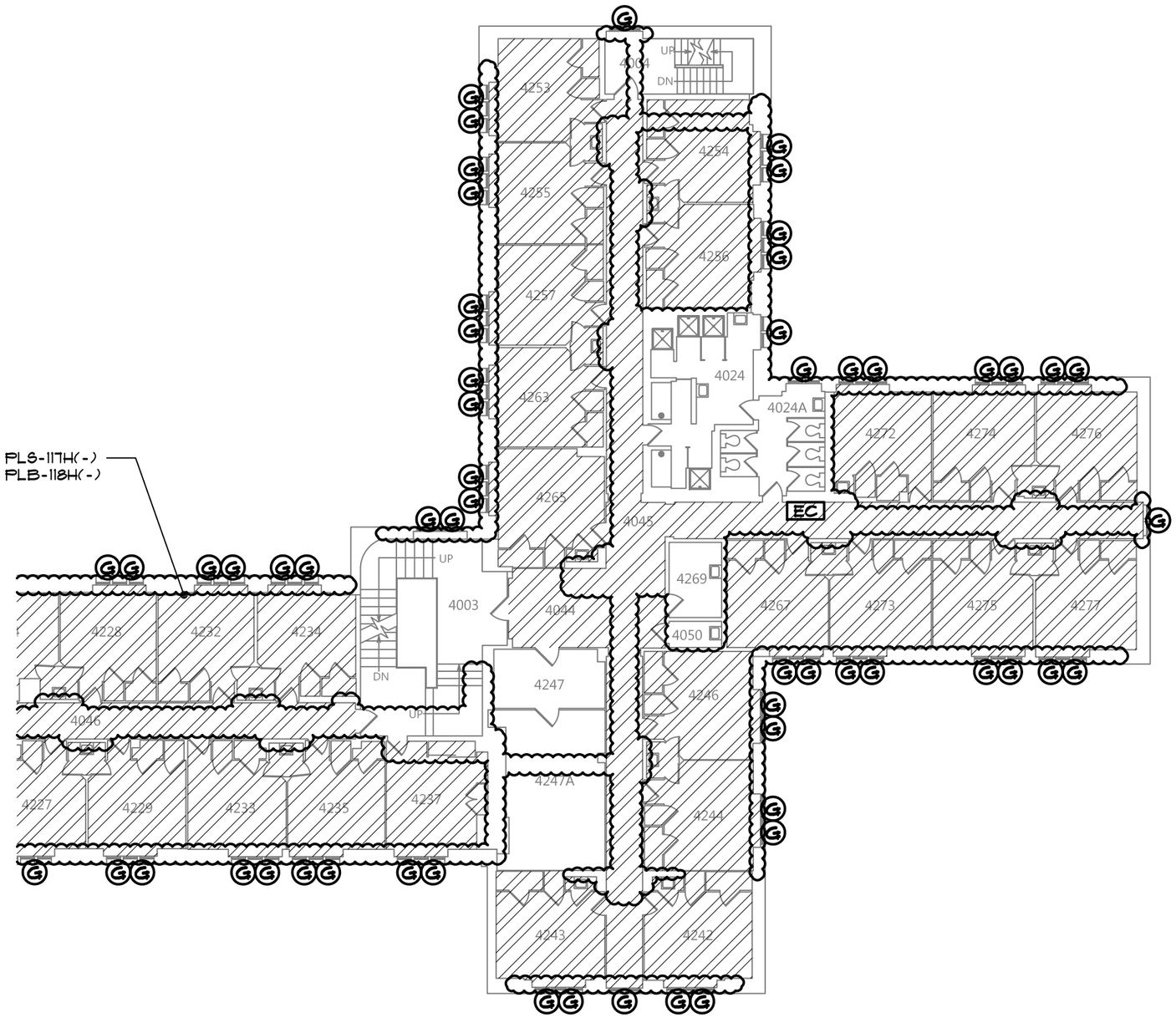
FIGURE
5A



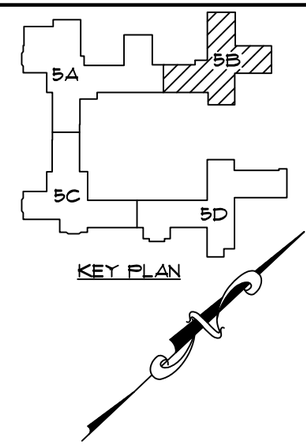


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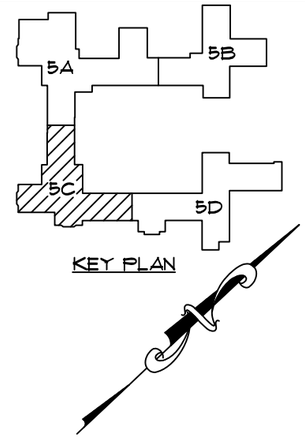
FIGURE
5B



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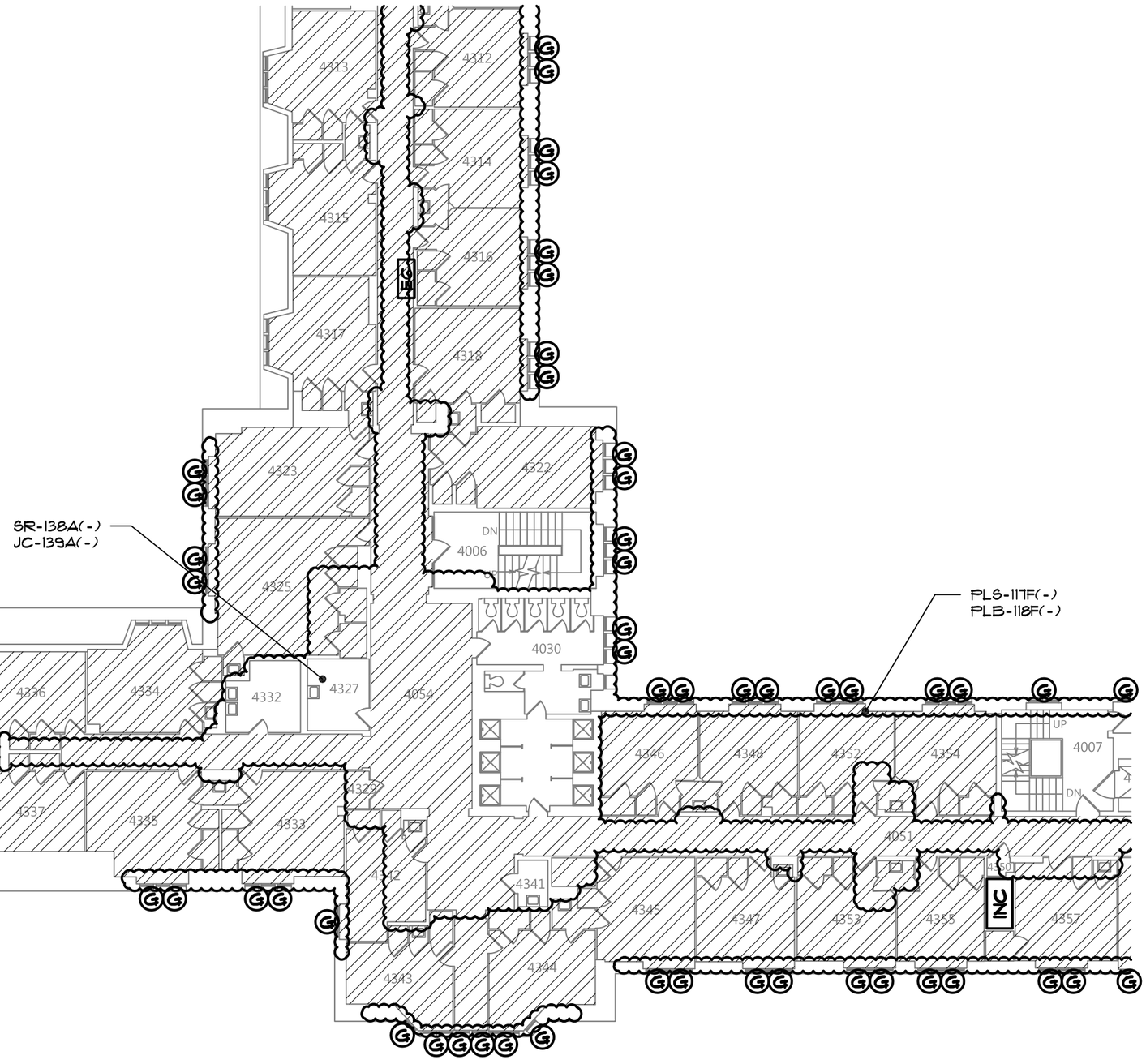

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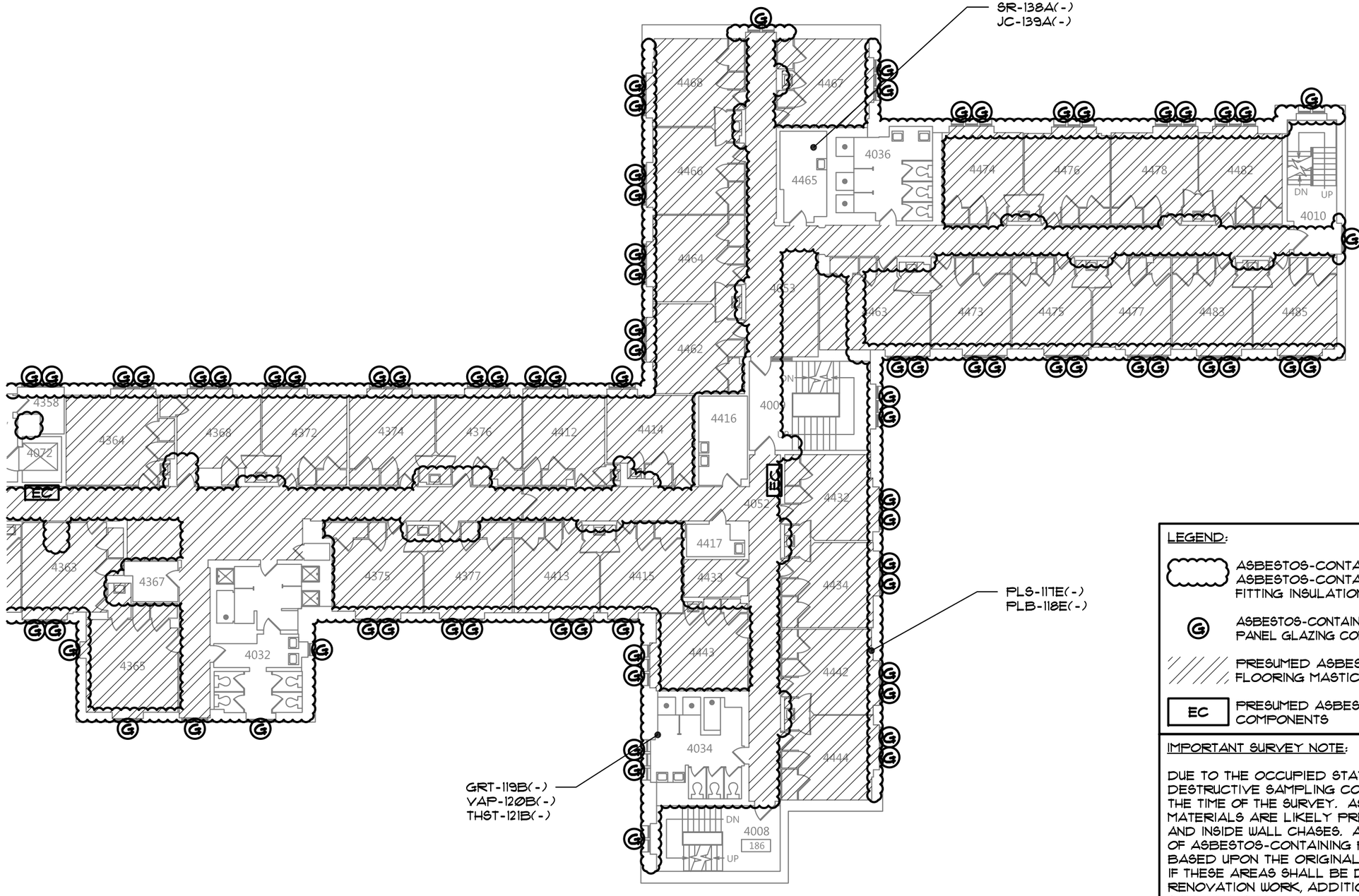

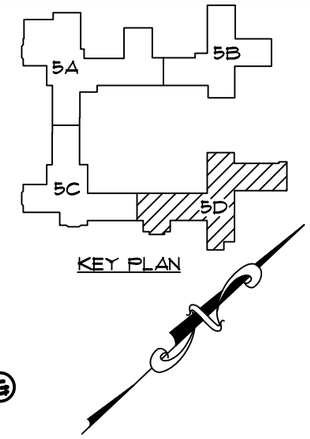

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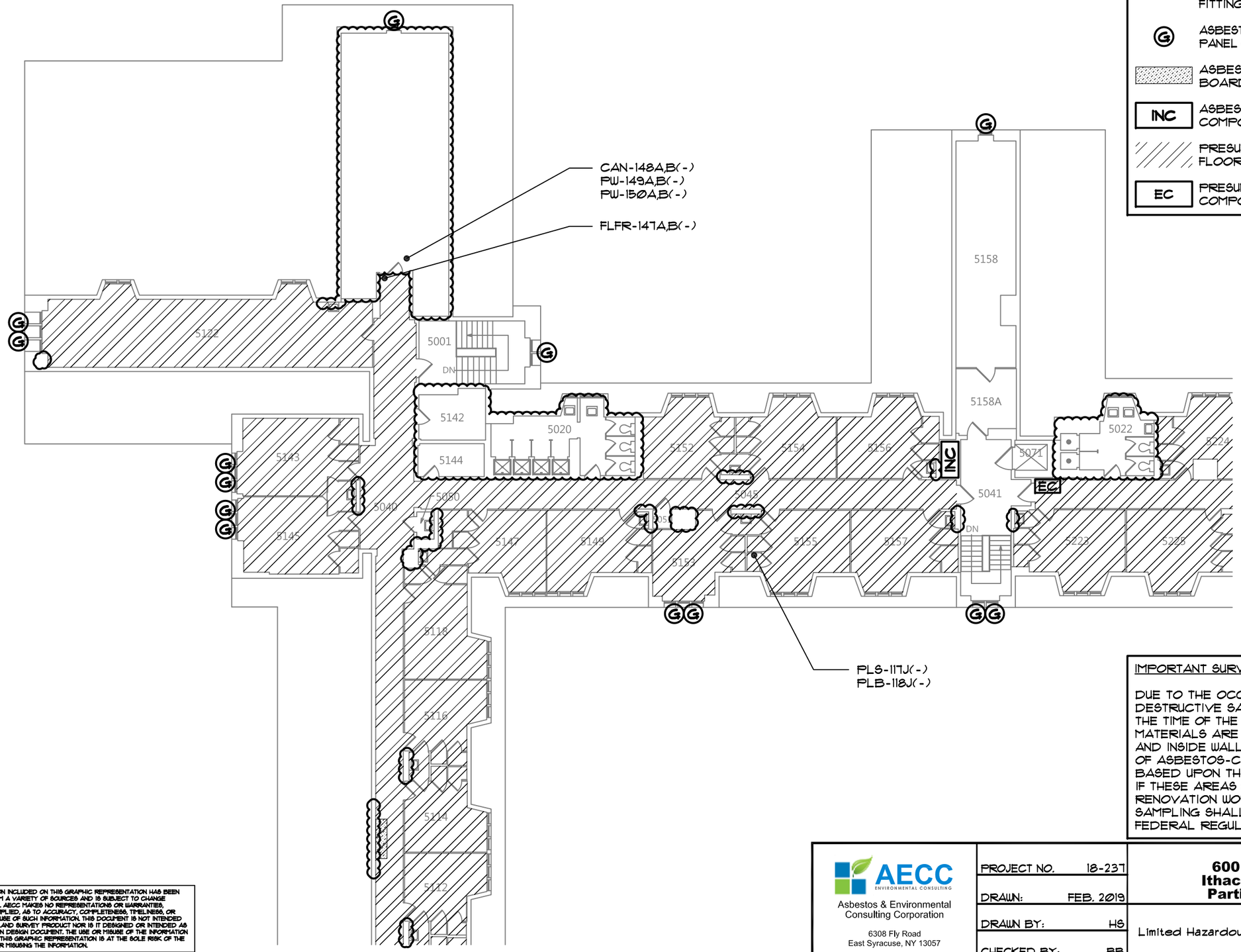
FIGURE
5D



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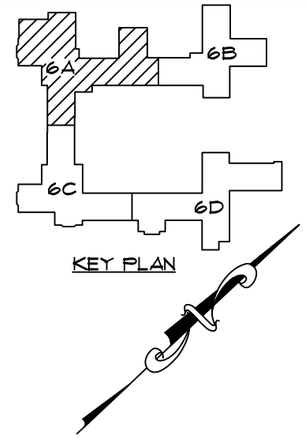

KEY PLAN

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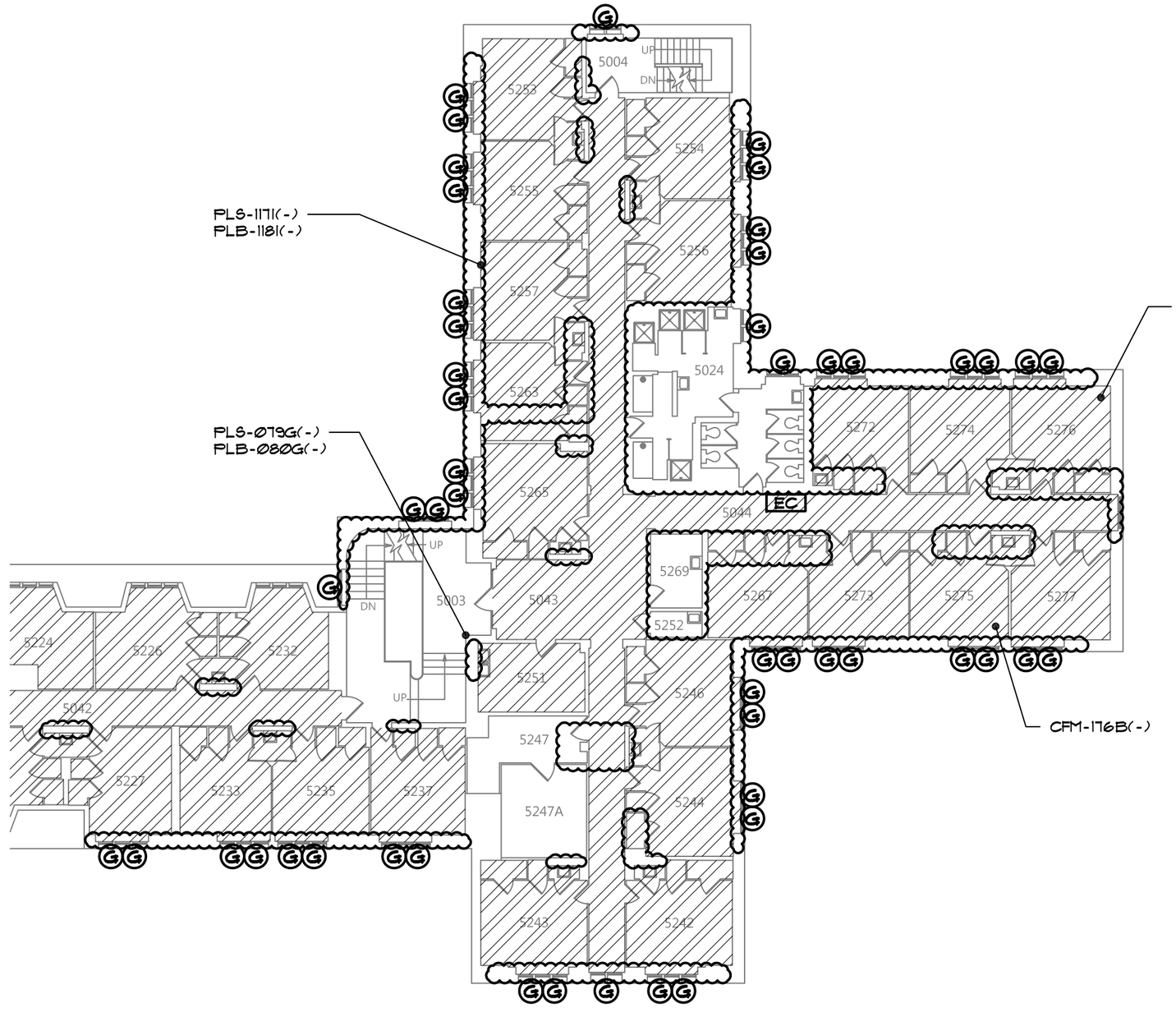
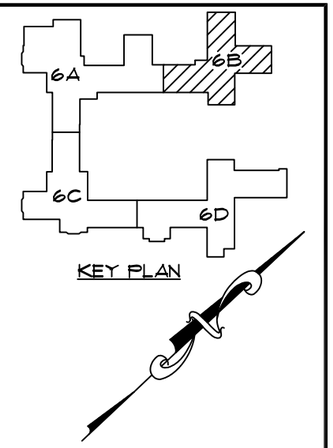
Limited Hazardous Material Pre-Renovation Survey

FIGURE
6A





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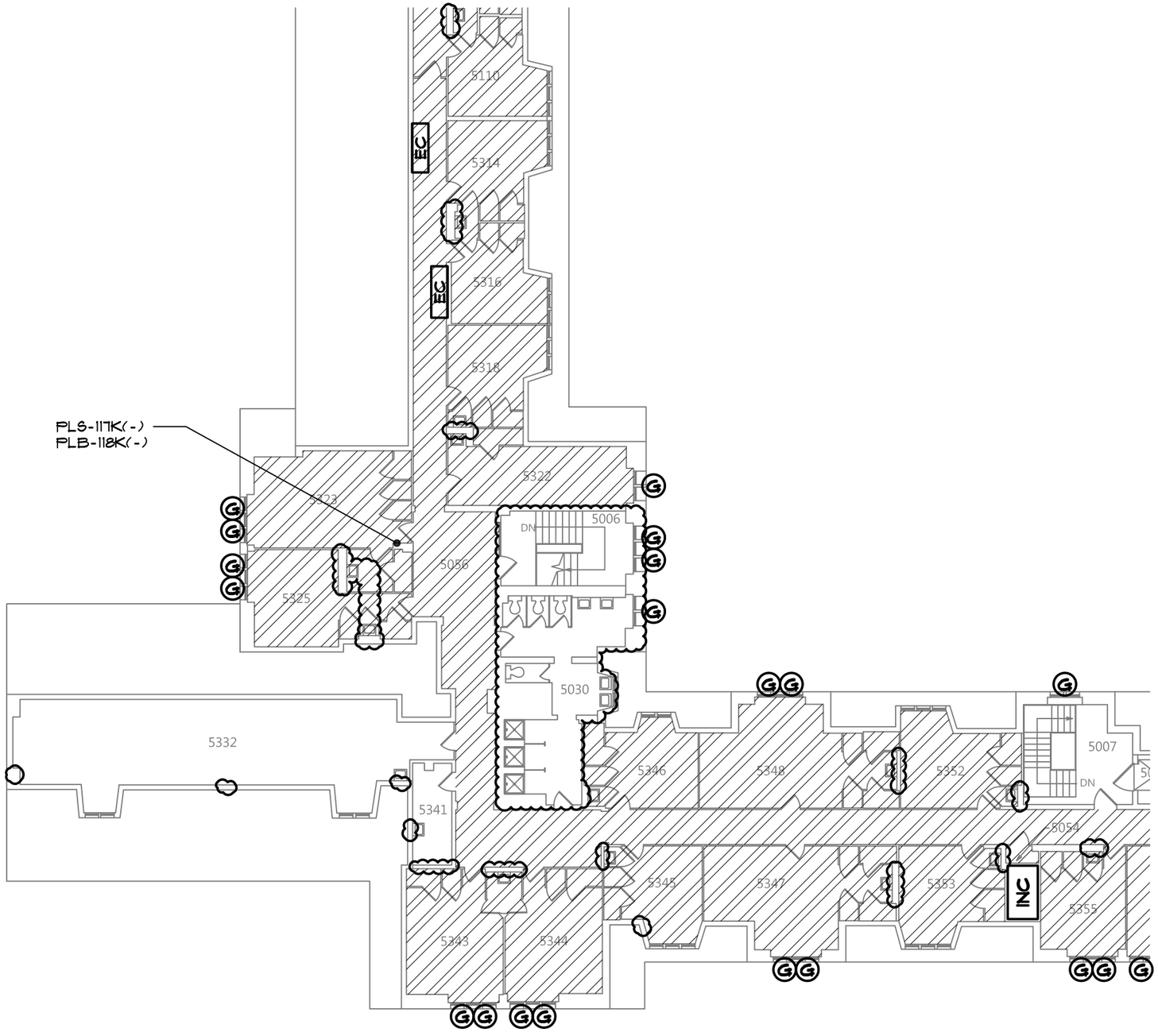
Partial Fifth Floor Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
6B



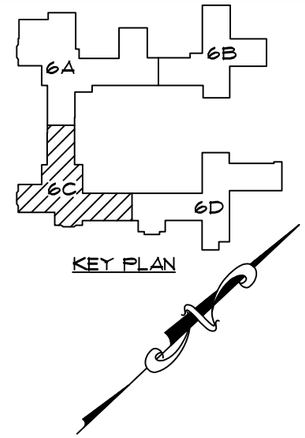


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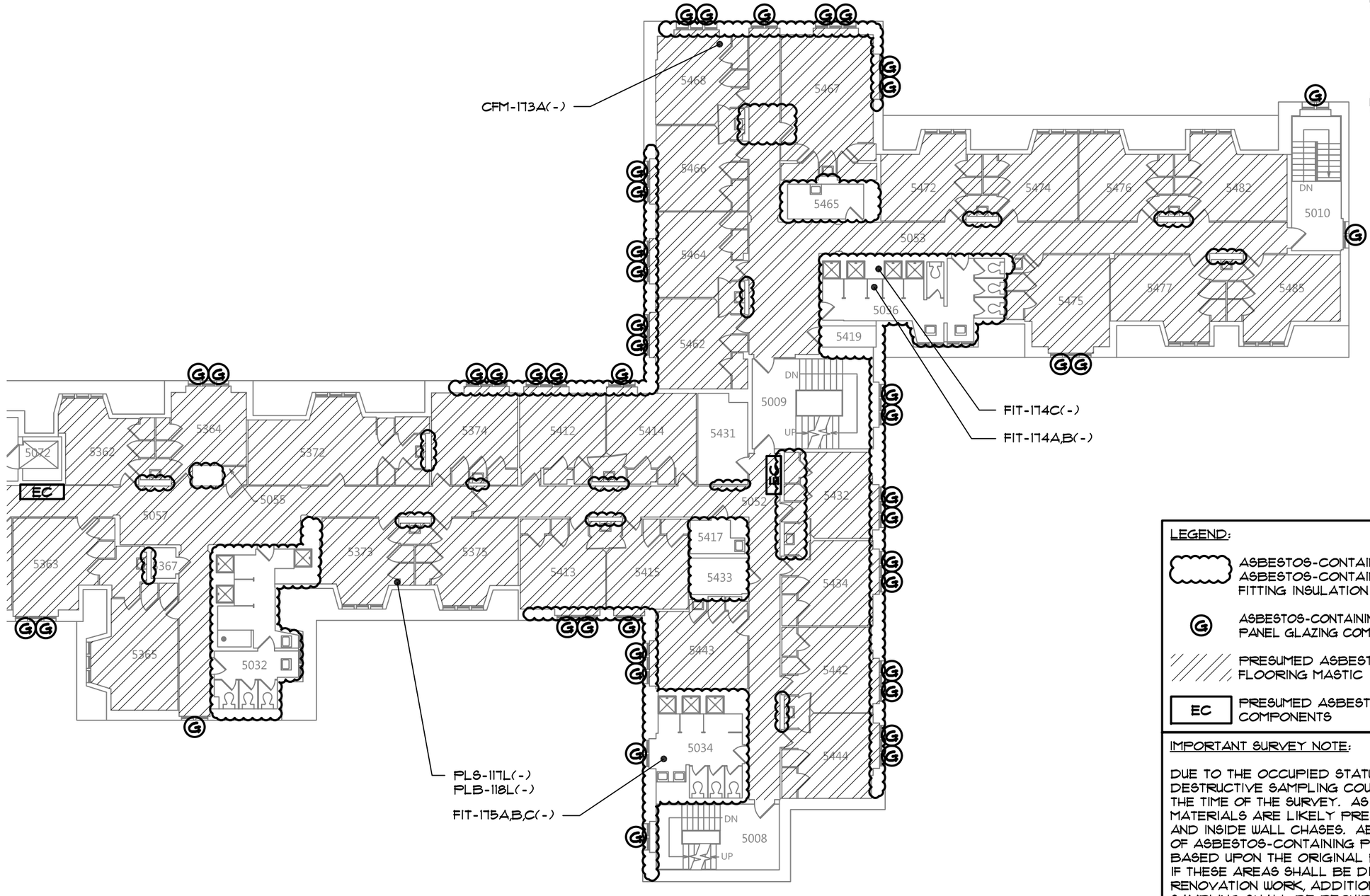
FIGURE
6C



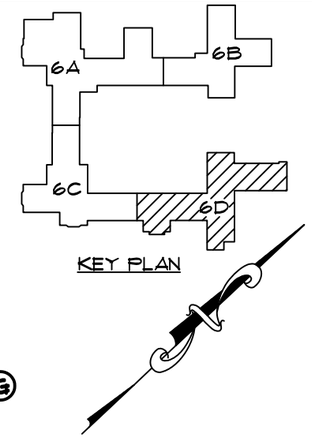


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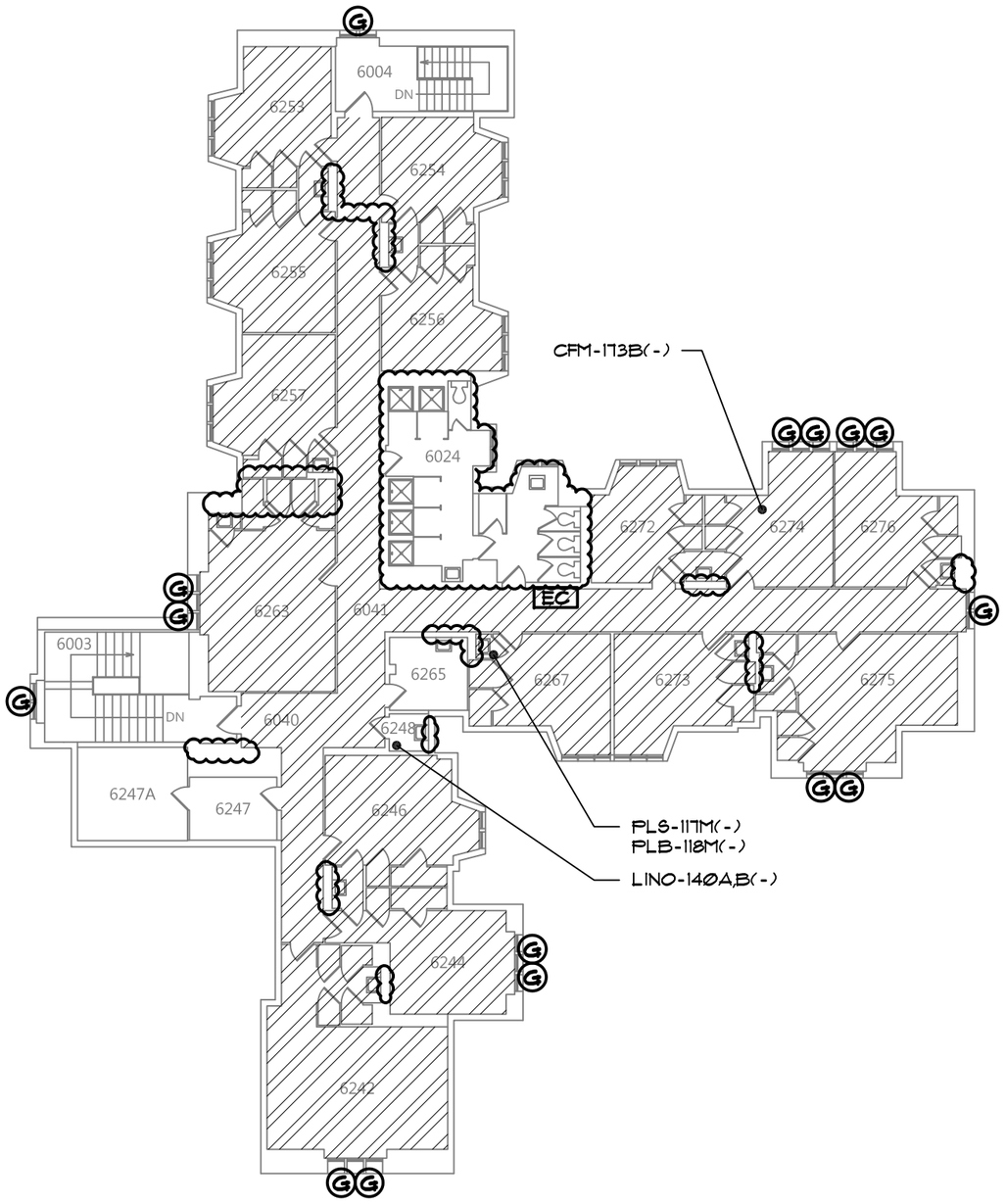
FIGURE
6D



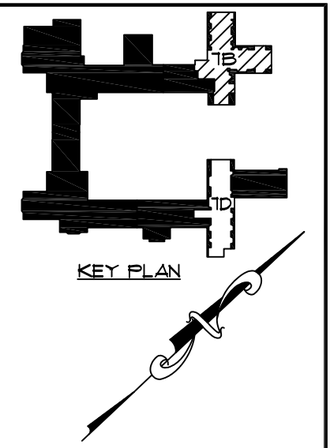


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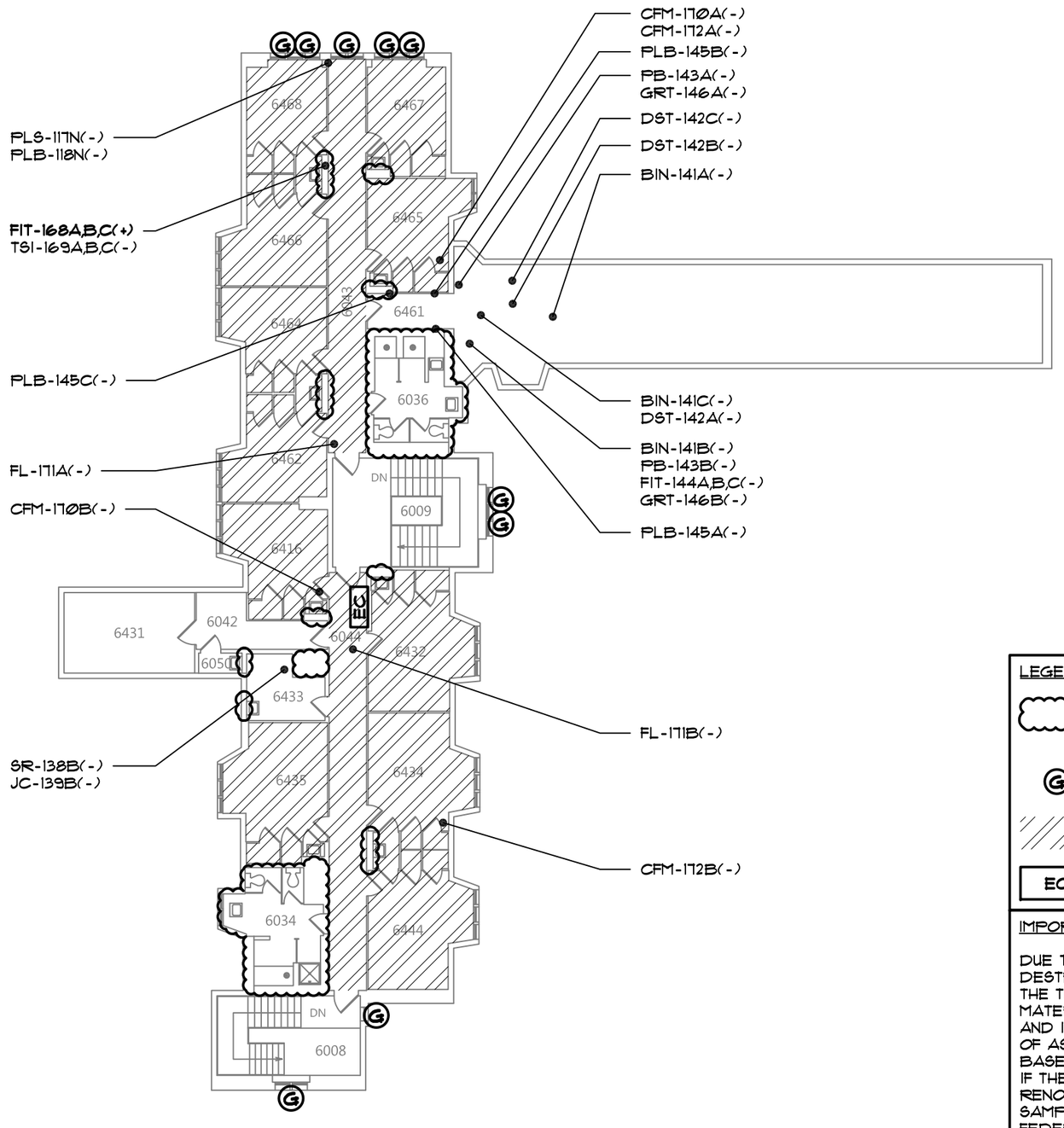
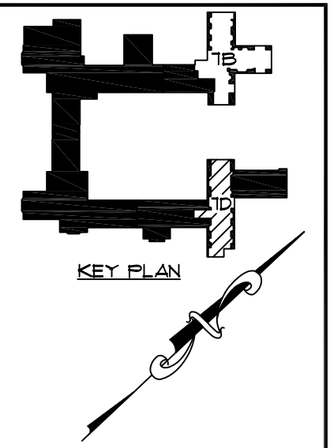
FIGURE
7B





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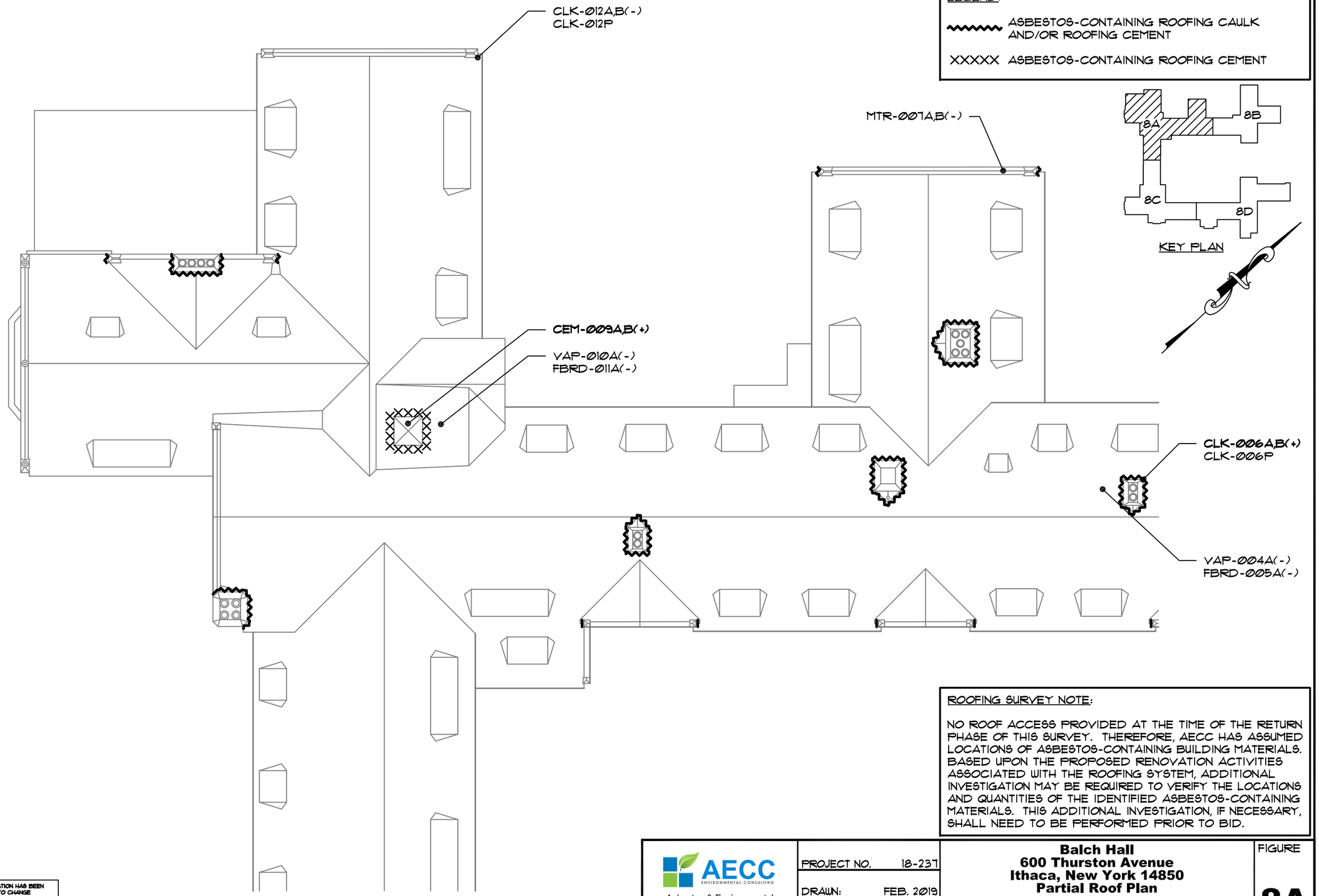
Limited Hazardous Material Pre-Renovation Survey

FIGURE
7D



LEGEND:

~~~~ ASBESTOS-CONTAINING ROOFING CAULK AND/OR ROOFING CEMENT

XXXXX ASBESTOS-CONTAINING ROOFING CEMENT

KEY PLAN

ROOFING SURVEY NOTE:

NO ROOF ACCESS PROVIDED AT THE TIME OF THE RETURN PHASE OF THIS SURVEY. THEREFORE, AECC HAS ASSUMED LOCATIONS OF ASBESTOS-CONTAINING BUILDING MATERIALS. BASED UPON THE PROPOSED RENOVATION ACTIVITIES ASSOCIATED WITH THE ROOFING SYSTEM, ADDITIONAL INVESTIGATION MAY BE REQUIRED TO VERIFY THE LOCATIONS AND QUANTITIES OF THE IDENTIFIED ASBESTOS-CONTAINING MATERIALS. THIS ADDITIONAL INVESTIGATION, IF NECESSARY, SHALL NEED TO BE PERFORMED PRIOR TO BID.

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FIGURE
8A
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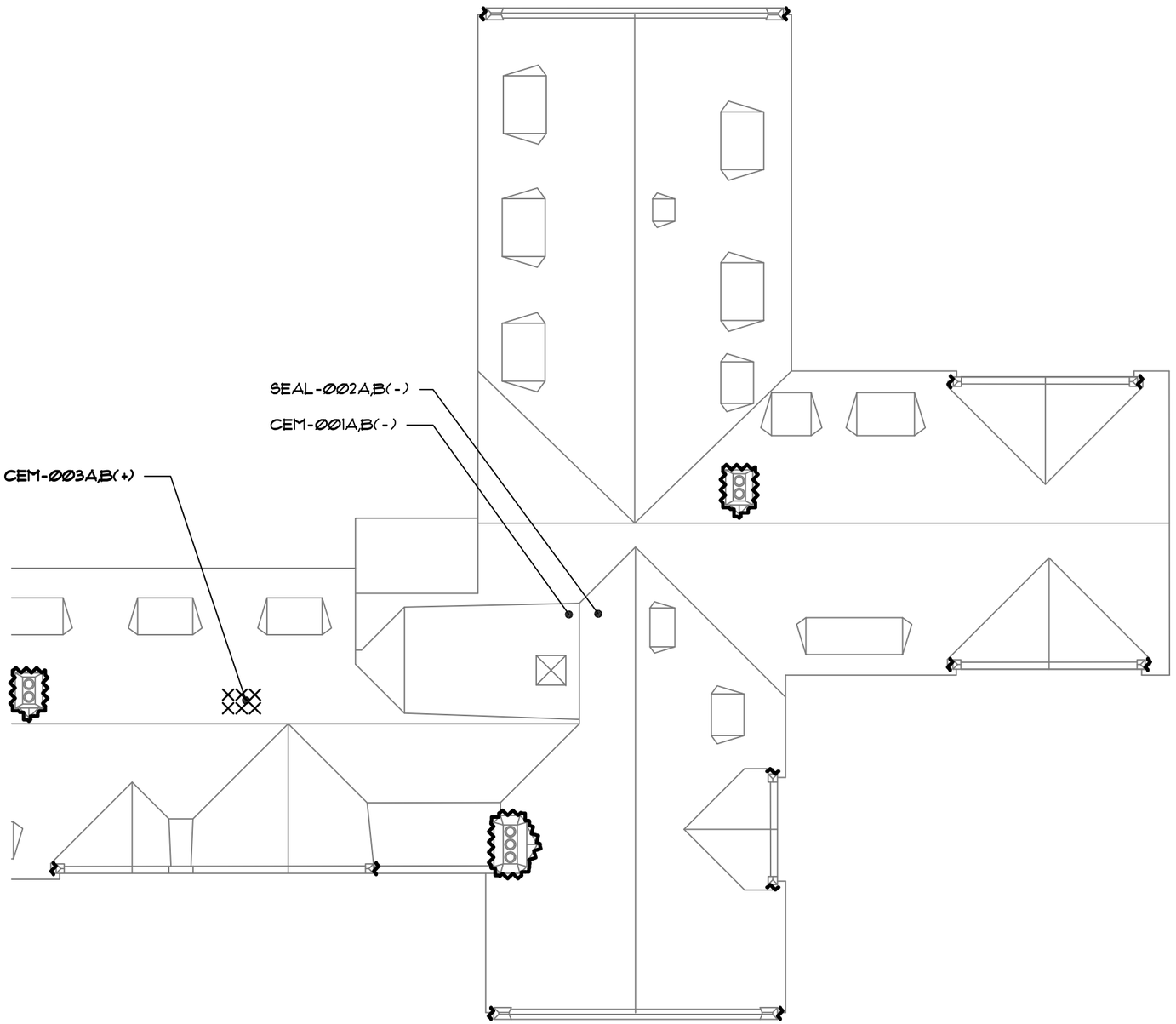

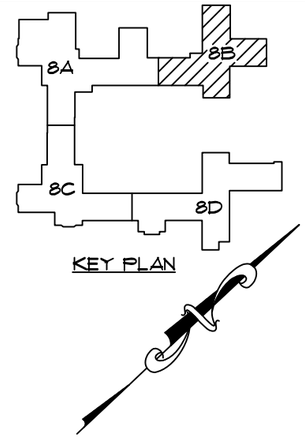

LEGEND:

~~~~ ASBESTOS-CONTAINING ROOFING CAULK AND/OR ROOFING CEMENT

XXXXX ASBESTOS-CONTAINING ROOFING CEMENT

ROOFING SURVEY NOTE:

NO ROOF ACCESS PROVIDED AT THE TIME OF THE RETURN PHASE OF THIS SURVEY. THEREFORE, AECC HAS ASSUMED LOCATIONS OF ASBESTOS-CONTAINING BUILDING MATERIALS. BASED UPON THE PROPOSED RENOVATION ACTIVITIES ASSOCIATED WITH THE ROOFING SYSTEM, ADDITIONAL INVESTIGATION MAY BE REQUIRED TO VERIFY THE LOCATIONS AND QUANTITIES OF THE IDENTIFIED ASBESTOS-CONTAINING MATERIALS. THIS ADDITIONAL INVESTIGATION, IF NECESSARY, SHALL NEED TO BE PERFORMED PRIOR TO BID.

AECC
ENVIRONMENTAL CONSULTING
Asbestos & Environmental Consulting Corporation
6308 Fly Road
East Syracuse, NY 13057

PROJECT NO. 18-237
DRAWN: FEB. 2019
DRAWN BY: HS
CHECKED BY: BB

Balch Hall
600 Thurston Avenue
Ithaca, New York 14850
Partial Roof Plan

Limited Hazardous Material Pre-Renovation Survey

FIGURE
8B
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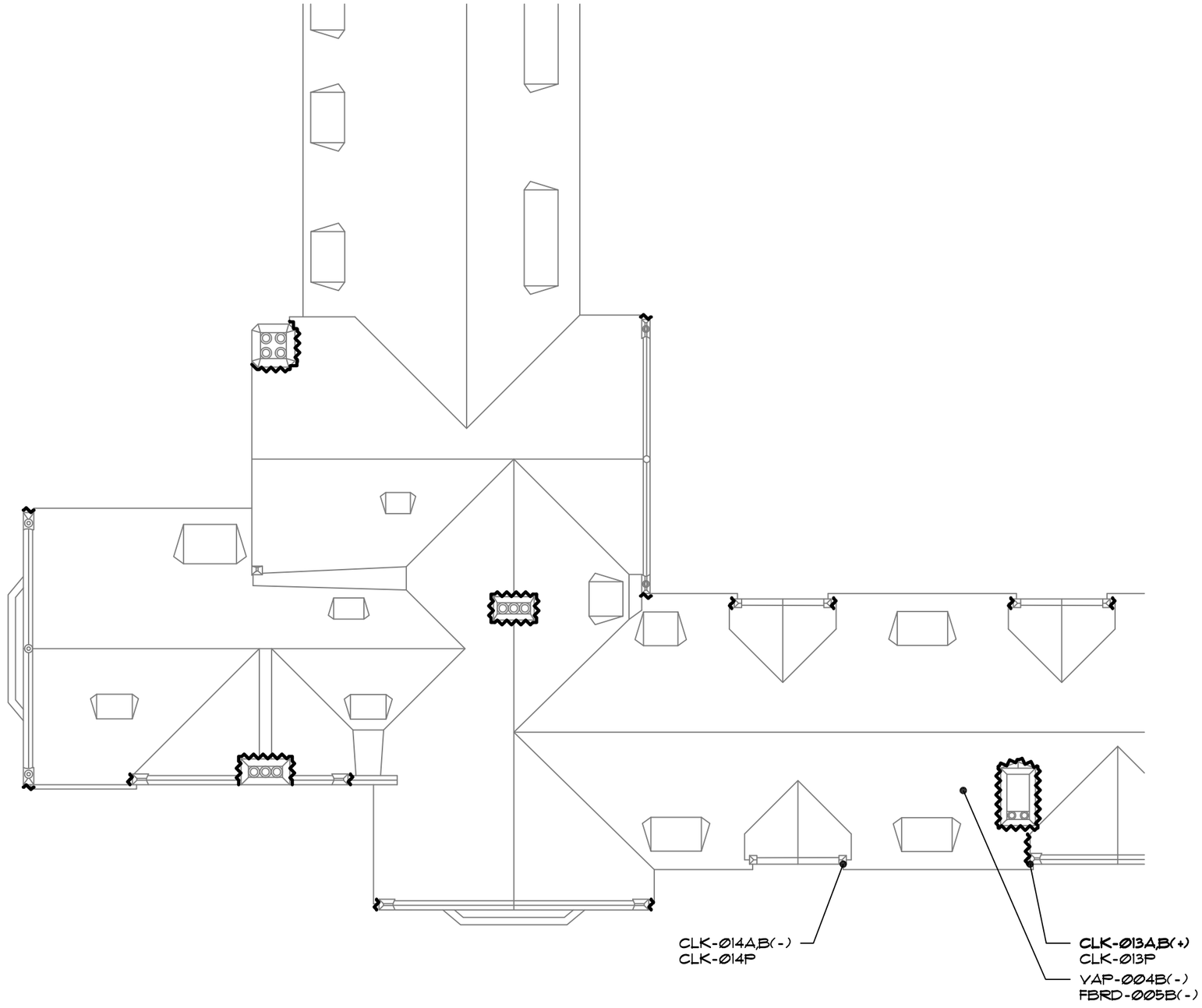

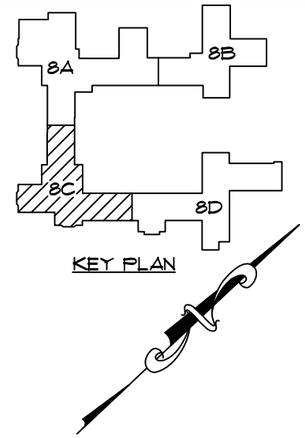

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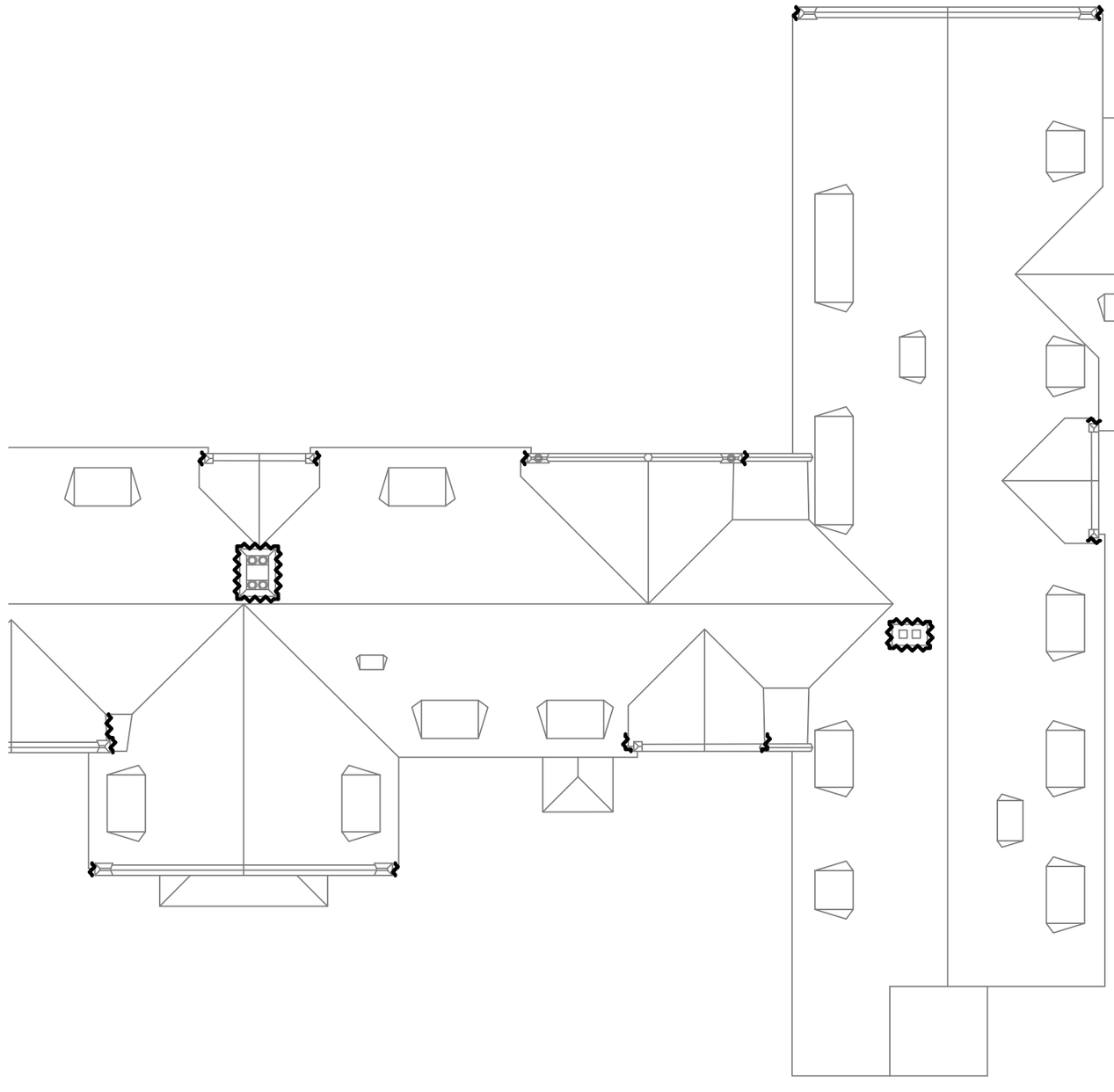
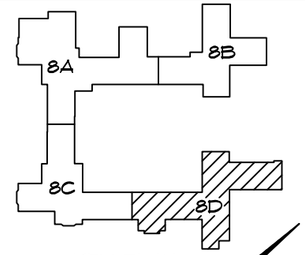
FIGURE

8C





KEY PLAN

VAP-010B(-)
FBRD-011B(-)

LEGEND:

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FIGURE

8D