



Asbestos Inspection Report
for
Newington Town Hall
131 Cedar Street
Newington, CT 06108

Prepared
for
Town of Newington
Facilities Department
131 Cedar Street
Newington, CT 06108

February & March 2015

EnviroMed Project # IH-15-026

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I. PROJECT NARRATIVE

Overview

In February and March 2015, EnviroMed Services state-licensed asbestos inspectors Gene Berube (Asbestos Inspector License #000144), Dominick Fiore (Asbestos Inspector License #000299), Souleymane Doumbia (Asbestos Inspector License #000804), and John Luby (Asbestos Inspector License #000281), performed an inspection of the Newington Town Hall located at 131 Cedar Street, Newington, Connecticut.

The purpose of this inspection was to identify asbestos-containing building materials in areas scheduled for renovation or demolition. Construction modes being considered for the building include entire structure demolition, partial demolition of portions of the building, and renovation of the building in-place. Sampling was performed in each wing or area scheduled for renovation or demolition. Areas of the building that were excluded from the inspection by client request include: Police Department Wing (newer construction), Lower Level Facilities / Engineering / Inspection Offices (recently renovated), and East Wing (recently renovated). Exterior walls were not probed to check for and sample waterproofing as part of this inspection.

The basement pipe tunnels and crawlspaces in Newington Town Hall were inspected as part of this effort and a separate report has been generated.

A 9/10/2007 asbestos inspection report on the Newington Town Hall was used as a reference for this report. The following asbestos-containing materials from that report were accepted as asbestos-containing for this report and not re-sampled:

- Acoustical ceiling plaster
- Transite wall panels

The following non-asbestos materials from that report were accepted as not asbestos-containing for this report:

- Wallboard & associated wallboard joint compound
- Wall plaster
- Suspended ceiling tiles

Negative samples of the glue dots on the ceiling of the Gym taken by EnviroMed in 2014 were accepted as part of this report.

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

Section II presents the Bulk Sample Location Diagrams.

Section III presents the list of analytical results for samples collected.

Section IV presents the laboratory analysis sheets for the samples collected

Summary of Results

Asbestos Containing Material - Flooring

The following asbestos-containing flooring materials were found in Newington Town Hall.

Black Mastic Under 12"X12" Brown Vinyl Floor Tile with Cream and Tan Specks

Black Mastic under 12"X12" White Vinyl Floor Tile with Black Streaks

9"X9" Blue Vinyl Floor Tile with White Streaks

12"X12" Brown Vinyl Floor Tile

12"X12" Red Vinyl Floor Tile

Mastic under 12"X12" Brown Vinyl Floor Tile

Mastic under 12"X12" Red Vinyl Floor Tile

12"X12" Checked Brown & Red Vinyl Floor Tile

Black Mastic under Checkered Red and Brown Vinyl Floor Tiles

12"X12" Blue Vinyl Floor Tile with White Specks

Mastic under 12"X12" Cream with Brown Streaks Vinyl Floor Tile

9"X9" Green Vinyl Floor Tile

Black Mastic under 12"X12" Tan Vinyl Floor Tile with White and Brown Specks

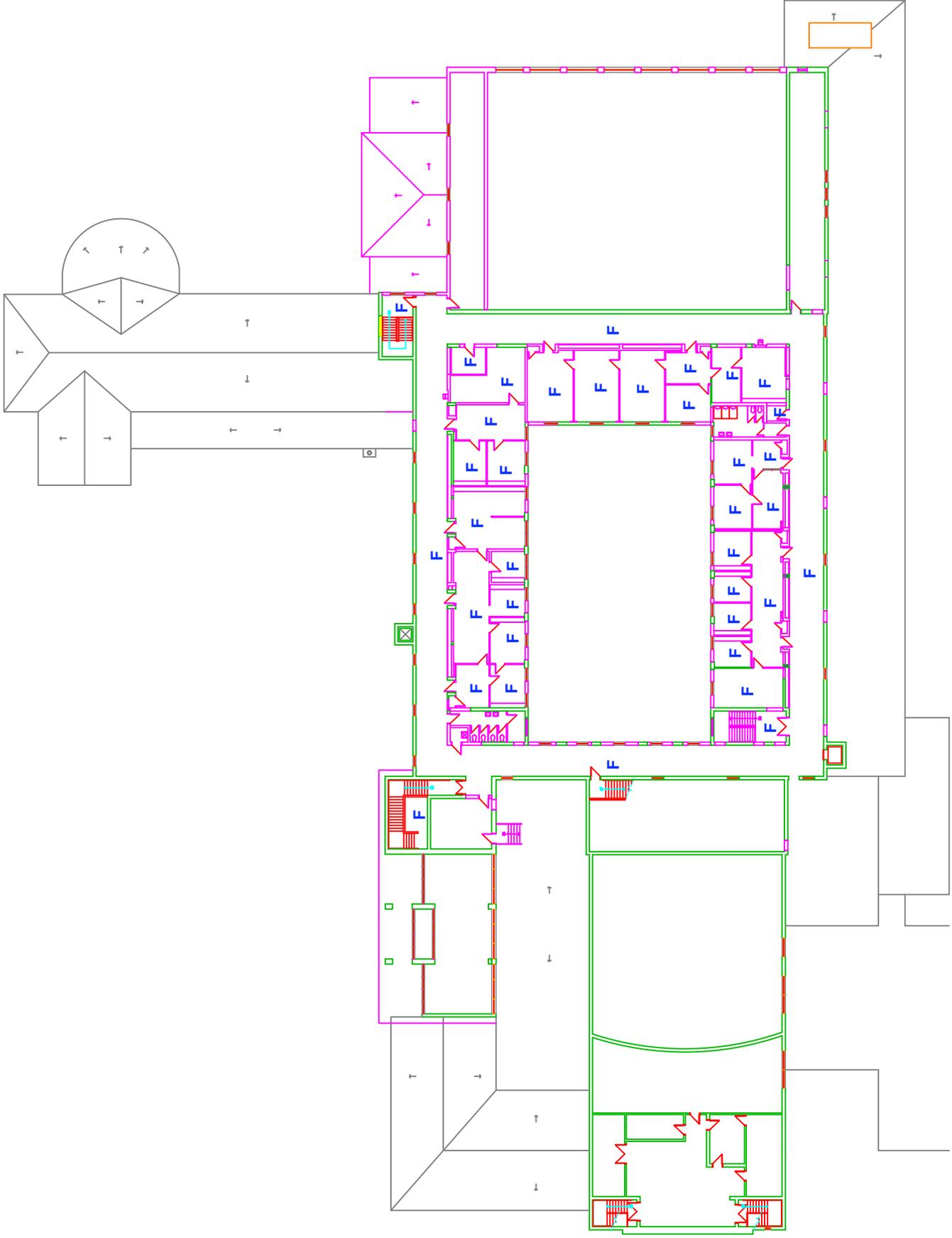
Black Mastic under 12"X12" Blue Vinyl Floor Tile with White Specks

Black Mastic under 9"X9" Beige Vinyl Floor Tile with Brown & White Specks

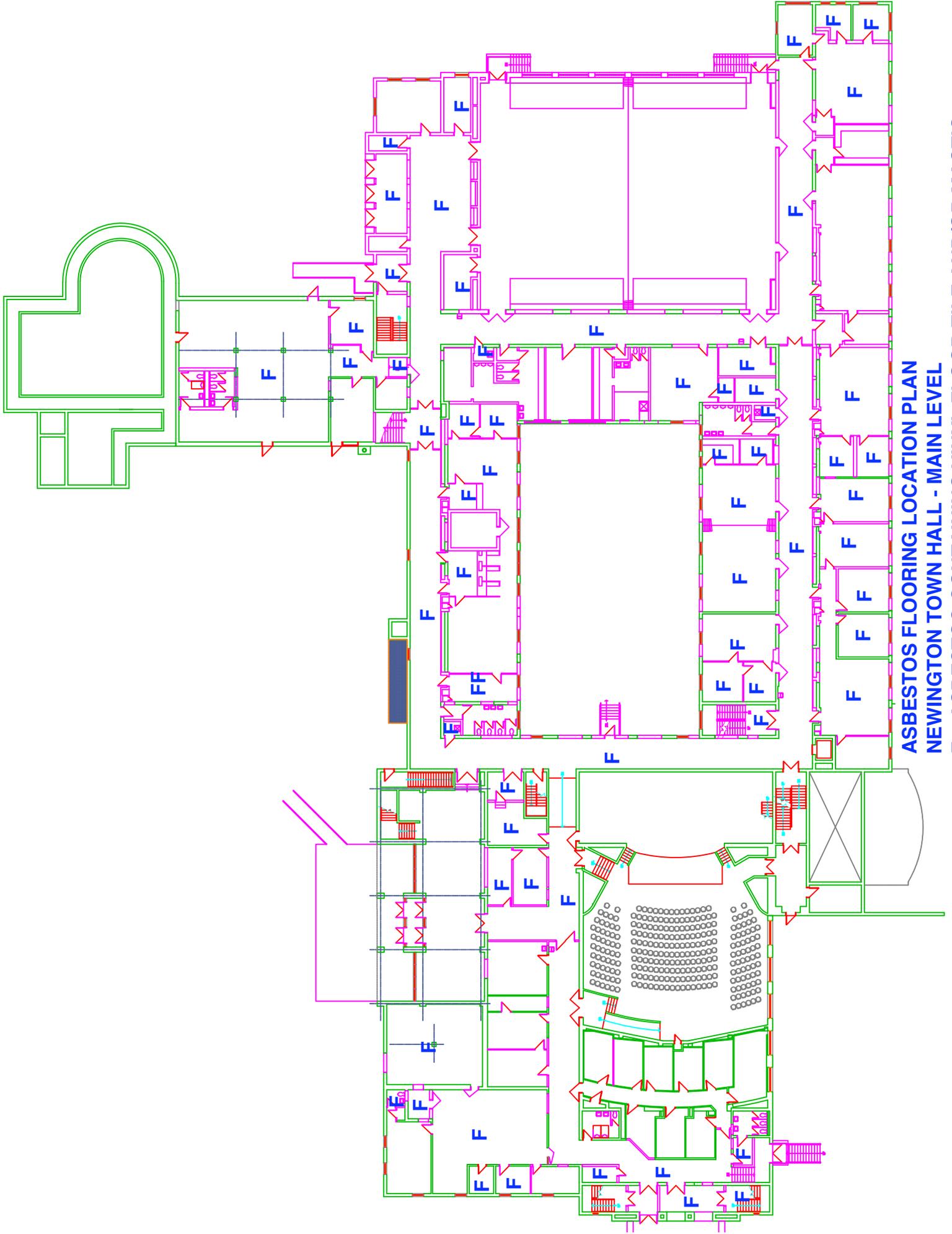
Black Mastic under 12"X12" Olive Green Vinyl Floor Tile with White Streaks

Quantity: 39,650 SF

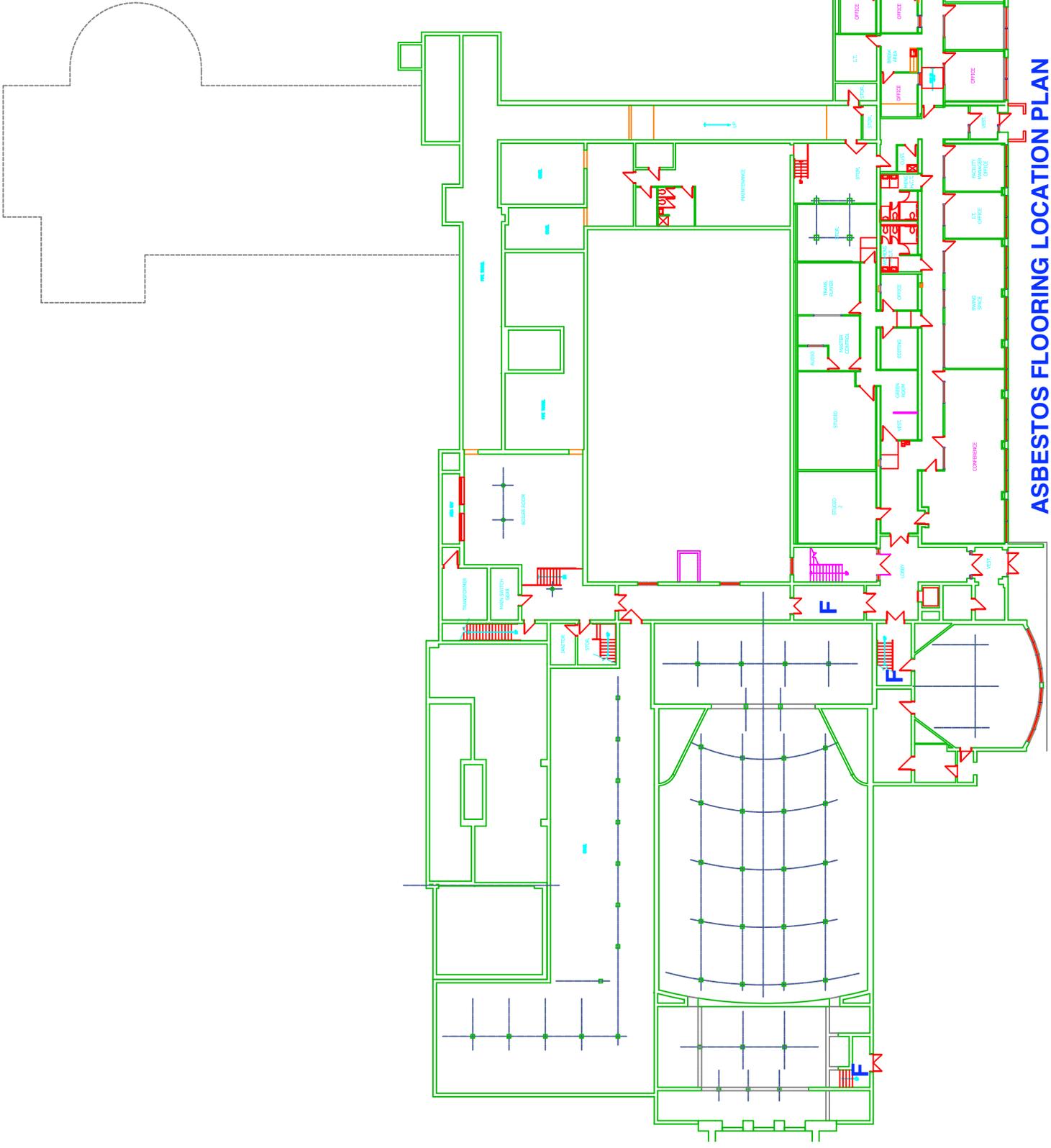
Locations: See attached diagrams



**ASBESTOS FLOORING LOCATION PLAN
NEWINGTON TOWN HALL - UPPER LEVEL
F = ASBESTOS-CONTAINING VINYL FLOOR TILE AND/OR MASTIC**



**ASBESTOS FLOORING LOCATION PLAN
NEWINGTON TOWN HALL - MAIN LEVEL
F = ASBESTOS-CONTAINING VINYL FLOOR TILE AND/OR MASTIC**



**ASBESTOS FLOORING LOCATION PLAN
 NEWINGTON TOWN HALL - LOWER LEVEL
 F = ASBESTOS-CONTAINING VINYL FLOOR TILE AND/OR MASTIC**

Asbestos Containing Material - Ceilings

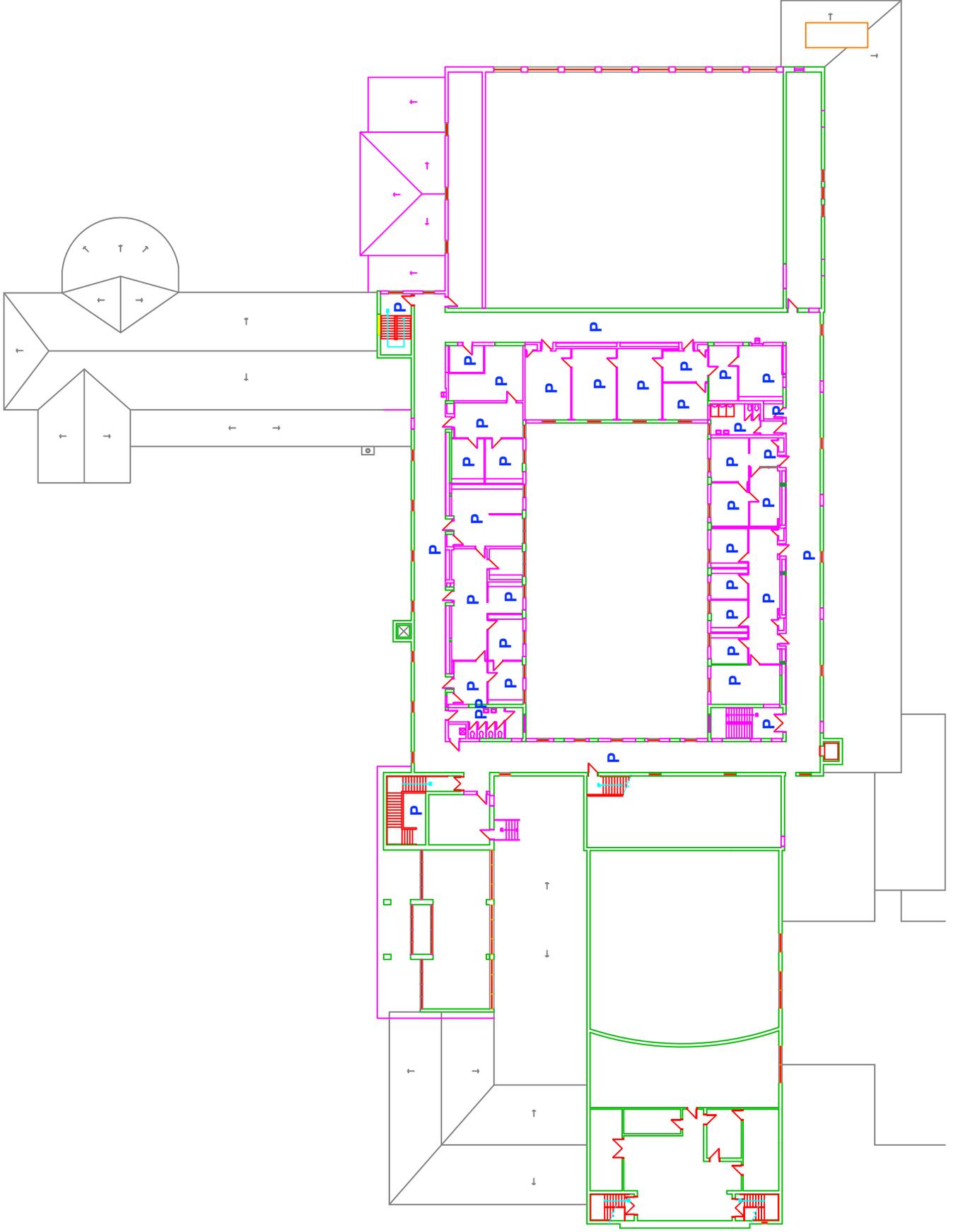
The following asbestos-containing ceiling materials were found in Newington Town Hall.

Acoustical ceiling plaster

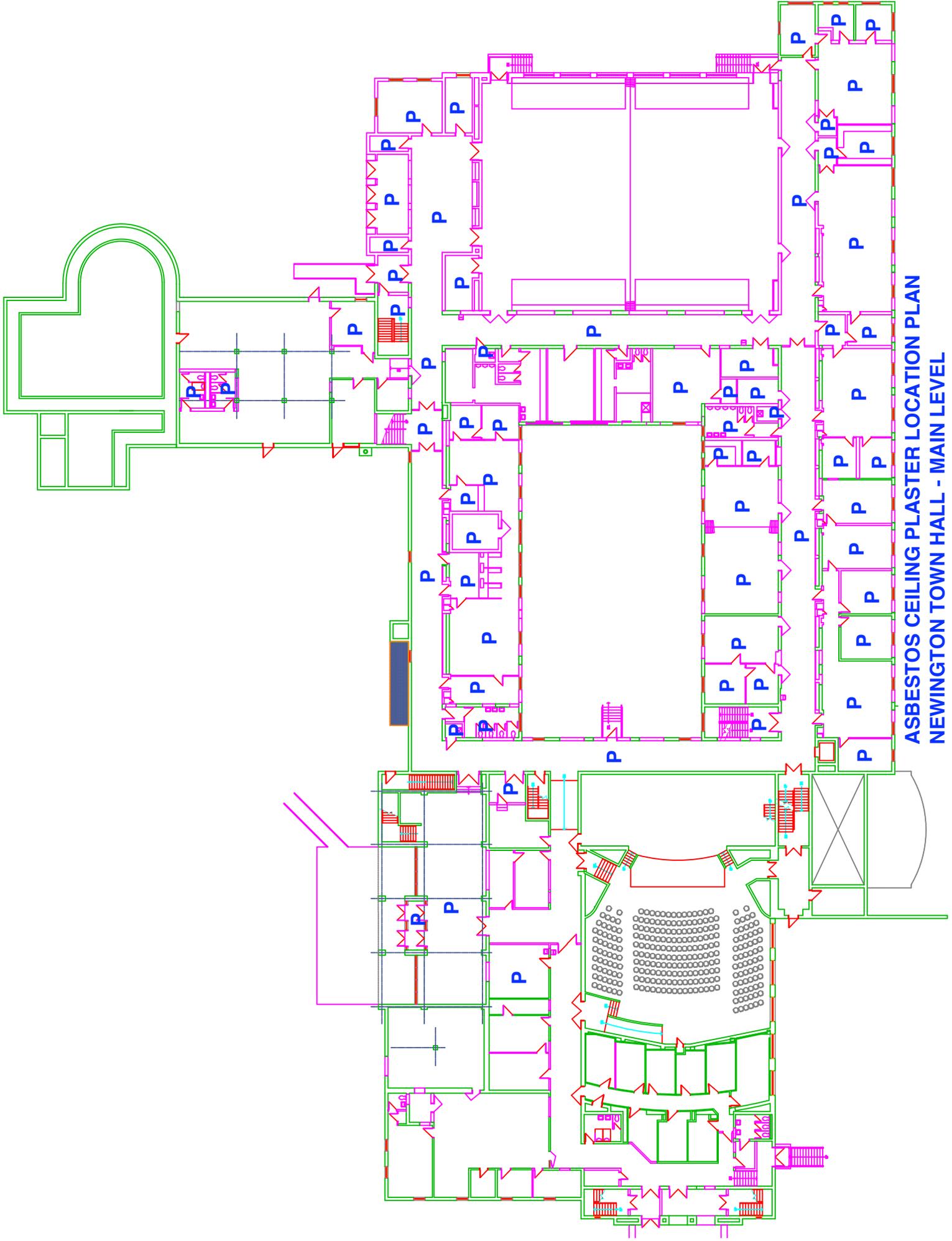
Quantity: 40,500 SF

Locations: See attached diagram

Note: 2x4 ceiling systems have been hung from the acoustical ceiling plaster above. The demolition of the 2x4 ceiling systems will release asbestos from the acoustical plaster above. 2x4 ceiling systems located below acoustical plaster ceilings should be considered asbestos-contaminated for any renovation or demolition activity.



**ASBESTOS CEILING PLASTER LOCATION PLAN
NEWINGTON TOWN HALL - UPPER LEVEL
P = ASBESTOS-CONTAINING ACOUSTICAL CEILING PLASTER PRESENT**



ASBESTOS CEILING PLASTER LOCATION PLAN

NEWINGTON TOWN HALL - MAIN LEVEL

P = ASBESTOS-CONTAINING ACOUSTICAL CEILING PLASTER PRESENT

Asbestos Containing Materials - Miscellaneous

The following miscellaneous asbestos-containing materials were found in Newington Town Hall.

Transite Wall Panels

Quantity: 1160 SF
Locations: Upper Level Hallway
Main Level Hallway

Fire Door Insulation

Quantity: 40 doors estimated
Locations: Primarily rated corridor doors
Note: Would have to drill all doors in building to document all locations

Sink Undercoating

Quantity: 3 sinks
Locations: - Kitchen adjacent to B&C Conference Room
- Kitchen adjacent to Multipurpose Room
- Mail Room Kitchenette on Upper Level

Brown Interior Expansion Joint Caulk

Quantity: 24 LF
Locations: Upper Level Hallway near Courtyard
Main Level Hallway near Courtyard

Exterior Caulk on Door Frames, Window Frames, Building Joints, & Glass Block

Quantity: 2,500 LF
Locations: Exterior Elevations

Asbestos Containing Material - Roofing

The following asbestos-containing roofing materials were found on Newington Town Hall.

Pitch Box/Pocket

Quantity: 20 SF

Locations: Flat Roof Sections

Roof Flashing

Quantity: 4,000 SF

Locations: Flat Roof Sections

Roof Concrete Deck

Quantity: 3,000 SF

Locations: Roof B

Note: Confirmatory testing is recommended for this roof deck

Asphalt Roof Shingle with Asbestos-Containing Tab Cement

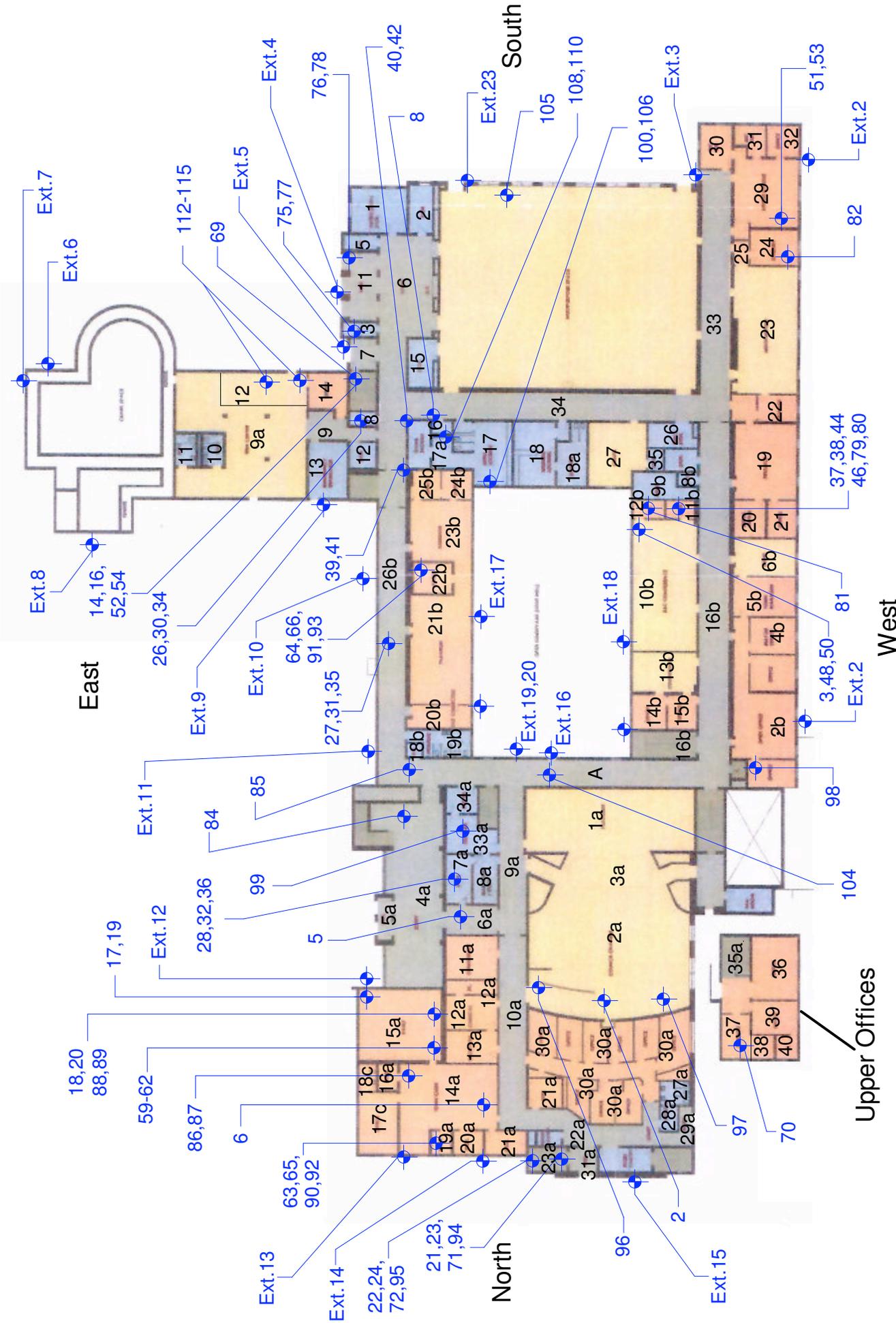
Quantity: 50,000 SF

Locations: Pitched Roof Sections

Additional Notes

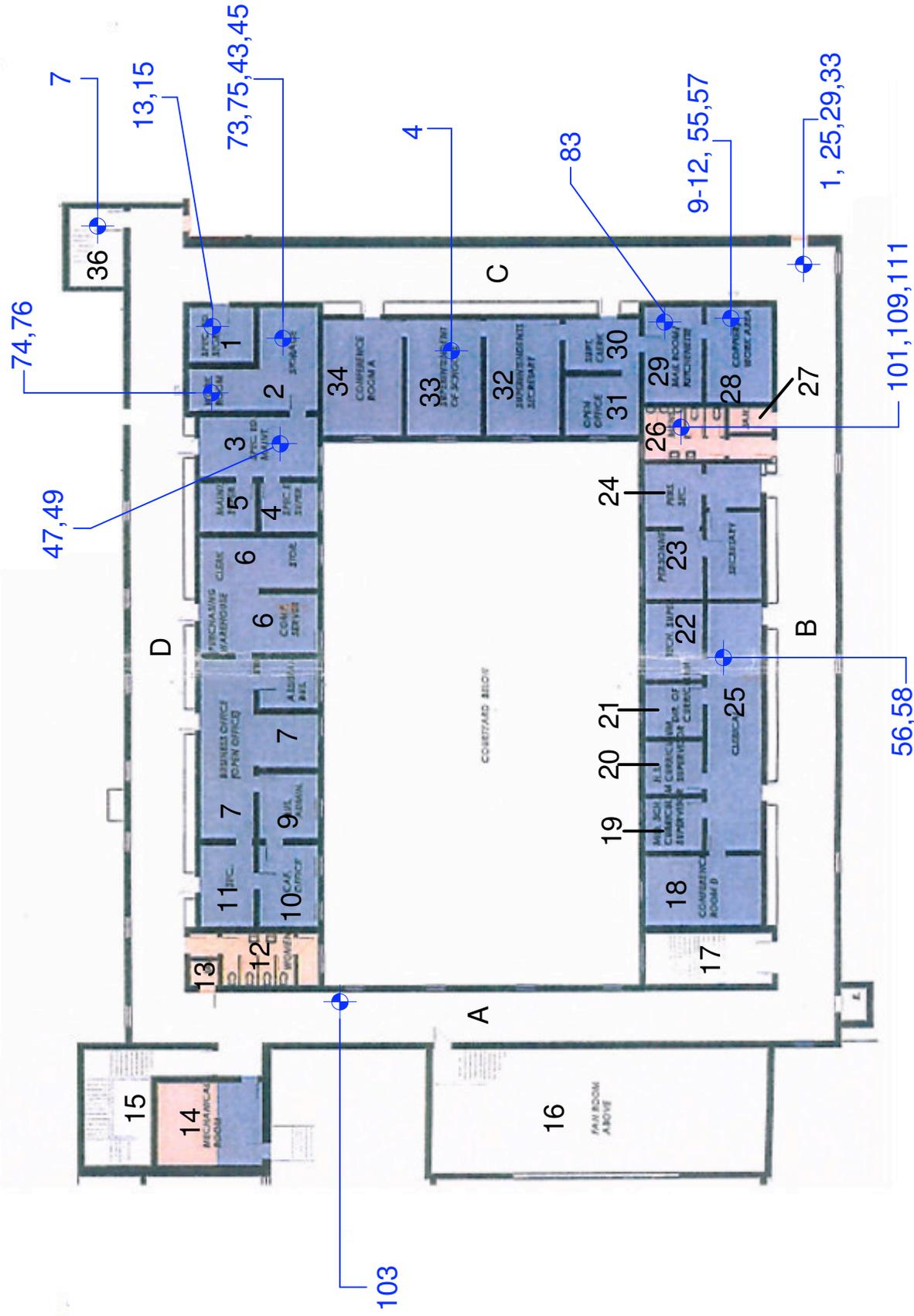
1. The possibility exists that suspect asbestos-containing materials may be located behind fixed walls, under fixed flooring, above fixed ceilings or other residual material. During renovation or demolition activities, upon the penetration or demolition of a fixed wall or ceiling, should suspect material become accessible, additional inspection and sampling would be required by a licensed asbestos inspector.

II. BULK SAMPLE LOCATION DIAGRAMS



Newington Town Hall - Main Level Asbestos Sample Locations (Interior & Exterior) February 2015

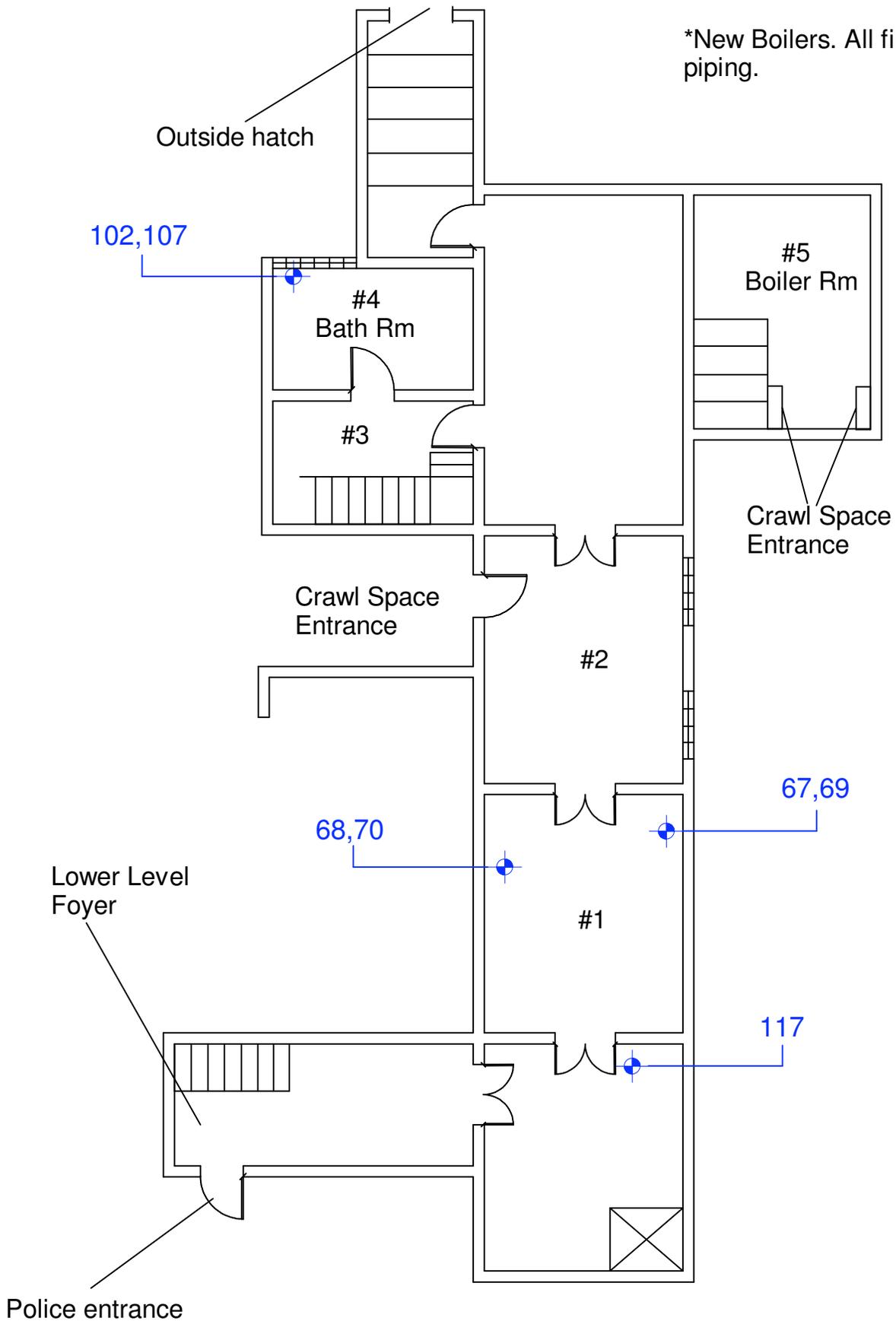
● = Asbestos Sample Location
= Room Number



Newington Town Hall - 3rd Floor
 Lead Sample Location Diagram
 February 2015

- = Asbestos Sample Location
- # = Room Number

*New Boilers. All fiberglass piping.

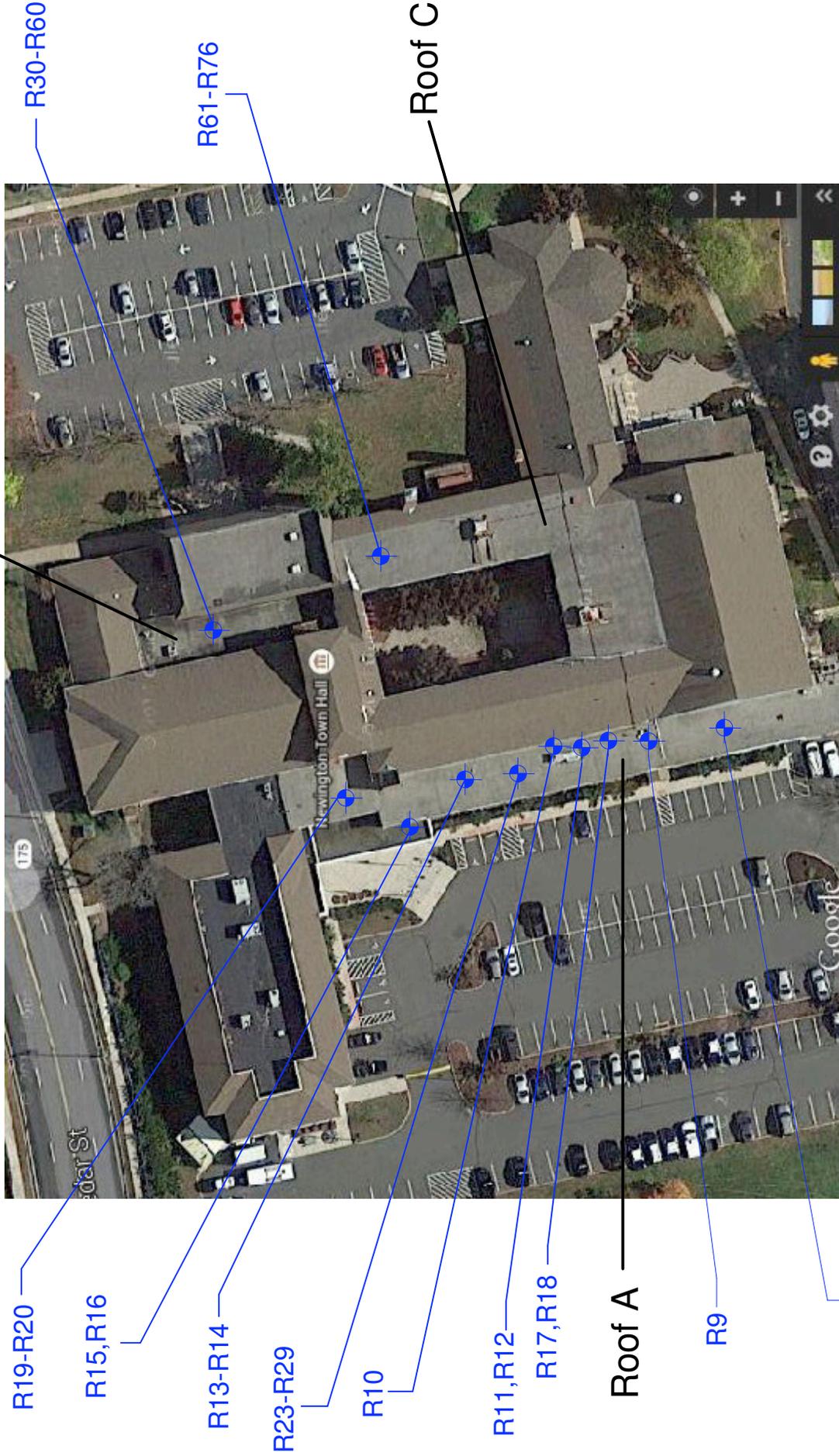


Newington Town Hall - Boiler Room
Asbestos Sample Location Diagram
February 2015

⊕ = Asbestos Sample Location

= Room Number

Roof B



R19-R20

R15, R16

R13-R14

R23-R29

R10

R11, R12

R17, R18

Roof A

R9

R1-R8

R30-R60

R61-R76

Roof C

Newington Town Hall - Roof Asbestos Sample Locations March 19, 2015

 = Asbestos Sample Location

III. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location	Material Sampled	Percent Asbestos
1	3 rd Floor - Hallway	blue carpet glue	NAD
2	2 nd FI/Main Level – Council Chamber #2a	red carpet glue	NAD
3	2 nd FI/Main Level – B&C Conference Rm	black carpet glue	NAD
4	3 rd Floor – Superintendent of Schools 33	multi colored carpet glue	NAD
5	2 nd FI/Main Level – Hall between Northeast Lobby and Council Chamber #6a	black carpet glue	NAD
6	2 nd FI/Main Level – Town Clerk #14a	black carpet glue	NAD
7	3 rd Floor Hallway o/s Stairwell 36	multi colored carpet glue	NAD
8	2 nd FI/Main Level – Hall behind Teen Center #34	multi colored carpet glue	NAD
9	3 rd FL – Copier/Work Area 28	12"x12" yellow vinyl floor tile	NAD
10	3 rd FL – Copier/Work Area 28	12"x12" yellow vinyl floor tile	NAD
11	3 rd FL – Copier/Work Area 28	mastic – under 12"x12" yellow vinyl floor tile	NAD
12	3 rd FL – Copier/Work Area 28	mastic – under 12"x12" yellow vinyl floor tile	NAD
13	3 rd FL– Special Ed. Storage 1	12"x12" brown with cream & tan speck vinyl floor tile	NAD
14	2 nd FI/Main Level – Stairwell by Southeast Entrance	12"x12" brown with cream & tan speck vinyl floor tile	NAD
15	3 rd FL– Special Ed. Storage 1	mastic – under 12"x12" brown with cream & tan speck vinyl floor tile	10
16	2 nd FI/Main Level – Stairwell by Southeast Entrance	mastic – under 12"x12" brown with cream & tan speck vinyl floor tile	NAD
17	2 nd FI/Main Level – Town Clerk Vault #15a	12"x12" white with black streaks vinyl floor tile	NAD
18	2 nd FI/Main Level – Town Clerk Vault #15a	12"x12" white with black streaks vinyl floor tile	NAD
19	2 nd FI/Main Level – Town Clerk Vault #15a	mastic – under 12"x12" white with black streaks vinyl floor tile	15
20	2 nd FI/Main Level – Town Clerk Vault #15a	mastic – under 12"x12" white with black streaks vinyl floor tile	10
21	2 nd FI/Main Level – Stair b/h smaller Food Pantry #23a	9"x9" blue with white streaks vinyl floor tile	1
22	2 nd FI/Main Level – Stair b/h smaller Food Pantry #23a	9"x9" blue with white streaks vinyl floor tile	2
23	2 nd FI/Main Level – Stair b/h smaller Food Pantry #23a	mastic – under 9"x9" blue with white streaks vinyl floor tile	NAD
24	2 nd FI/Main Level – Stair b/h smaller Food Pantry #23a	mastic – under 9"x9" blue with white streaks vinyl floor tile	NAD

Sample Number	Location	Material Sampled	Percent Asbestos
25	3 rd Floor - Hallway	12"x12" brown vinyl floor tile	8
26	2 nd Fl/Main Level – Storage o/s Teen Center #8	12"x12" brown vinyl floor tile	5
27	2 nd Fl/Main Level – Hall o/s Taxation 26b	12"x12" brown vinyl floor tile	3
28	2 nd Fl/Main Level – Storage between Northeast Lobby and Council Chamber #7a	12"x12" brown vinyl floor tile	7
29	3 rd Floor - Hallway	12"x12" red vinyl floor tile	7
30	2 nd Fl/Main Level – Storage o/s Teen Center #8	12"x12" red vinyl floor tile	5
31	2 nd Fl/Main Level – Hall o/s Taxation 26b	12"x12" red vinyl floor tile	10
32	2 nd Fl/Main Level – Storage between Northeast Lobby and Council Chamber #7a	12"x12" red vinyl floor tile	7
33	3 rd Floor – Hallway #8	mastic – under vinyl floor tile	NAD
34	2 nd Fl/Main Level – Storage o/s Teen Center	mastic – under vinyl floor tile	NAD
35	2 nd Fl/Main Level – Hall o/s Taxation 26b	mastic – under vinyl floor tile	10
36	2 nd Fl/Main Level – Storage between Northeast Lobby and Council Chamber #7a	mastic – under vinyl floor tile	3
37	2 nd Fl/Main Level – Storage adj. to B&C Confer. Rm 11b	12"x12" blue with white specks vinyl floor tile	1
38	2 nd Fl/Main Level – Storage adj. to B&C Confer. Rm 11b	12"x12" blue with white specks vinyl floor tile	10
39	2 nd Fl/Main Level – Gang Shower #17a	ceramic wall tile grout	NAD
40	2 nd Fl/Main Level – Gang Shower #17a	ceramic wall tile grout	NAD
41	2 nd Fl/Main Level – Gang Shower #17a	ceramic wall tile setting compound	NAD
42	2 nd Fl/Main Level – Gang Shower #17a	ceramic wall tile setting compound	NAD
43	3 rd FL – Storage 2	4" white vinyl cove base	NAD
44	2 nd Fl/Main Level – Storage adj. to B&C Confer. Rm 11b	4" white vinyl cove base	NAD
45	3 rd FL – Storage 2	glue – under 4" white vinyl cove base	NAD
46	2 nd Fl/Main Level – Storage adj. to B&C Confer. Rm 11b	glue – under 4" white vinyl cove base	NAD
47	3 rd FL – Special Ed. Maintenance	4" burgundy vinyl cove base	NAD
48	2 nd Fl/Main Level –B&C Conference Rm	4" burgundy vinyl cove base	NAD

Sample Number	Location	Material Sampled	Percent Asbestos
49	3 rd FL – Special Ed. Maintenance	glue – under 4” burgundy vinyl cove base	NAD
50	2 nd FI/Main Level –B&C Conference Rm	glue – under 4” burgundy vinyl cove base	NAD
51	2 nd FI/Main Level – Senior Rm #29	4” black vinyl cove base	NAD
52	2 nd FI/Main Level – Stairwell by Southeast Entrance	4” black vinyl cove base	NAD
53	2 nd FI/Main Level – Senior Rm #29	glue – under 4” black vinyl cove base	NAD
54	2 nd FI/Main Level – Stairwell by Southeast Entrance	glue – under 4” black vinyl cove base	NAD
55	3 rd FL – Copier/Work Area 28	4” blue vinyl cove base	NAD
56	3 rd FL – Clerical 25	4” blue vinyl cove base	NAD
57	3 rd FL – Copier/Work Area 28	glue – under 4” blue vinyl cove base	NAD
58	3 rd FL – Clerical 25	glue – under 4” blue vinyl cove base	NAD
59	2 nd FI/Main Level – Town Clerk Vault	4” peach vinyl cove base	NAD
60	2 nd FI/Main Level – Town Clerk Vault	4” peach vinyl cove base	NAD
61	2 nd FI/Main Level – Town Clerk Vault	glue – under 4” peach vinyl cove base	NAD
62	2 nd FI/Main Level – Town Clerk Vault	glue – under 4” peach vinyl cove base	NAD
63	2 nd FI/Main Level – Town Clerk Electrical Rm #19a	4” gray vinyl cove base	NAD
64	2 nd FI/Main Level –Taxation Vault 22b	4” gray vinyl cove base	NAD
65	2 nd FI/Main Level – Town Clerk Electrical Rm #19a	glue – under 4” gray vinyl cove base	NAD
66	2 nd FI/Main Level –Taxation Vault 22b	glue – under 4” gray vinyl cove base	NAD
67	Lower level – Area #1	12”x12” cream with brown streaks vinyl floor tile	<1
68	Lower level – Area #1	12”x12” cream with brown streaks vinyl floor tile	<1
69	2 nd FI/Main Level – Stairwell by Southeast Entrance	mastic – under 12”x12” cream with brown streaks vinyl floor tile	15
70	Lower level – Area #1/Upper Offices #37	mastic – under 12”x12” cream with brown streaks vinyl floor tile	20
71	2 nd FI/Main Level – Stair b/h smaller Food Pantry #23a	9”x9” green vinyl floor tile	1
72	2 nd FI/Main Level – Stair b/h smaller Food Pantry #23a	9”x9” green vinyl floor tile	2

Sample Number	Location	Material Sampled	Percent Asbestos
73	3 rd FL – Storage 2	mastic – under 9"x9" green vinyl floor tile	NAD
74	3 rd FL – Work Rm 2	mastic – under 9"x9" green vinyl floor tile	NAD
75	3 rd FL – Storage 2 / 2 nd FI/Main Level – Storage b/w SE Vestibule and SE Stairs #3	12"x12" tan with white and brown streaks vinyl floor tile	NAD
76	3 rd FL – Work Rm 2 / 2 nd FI/Main Level – Southeast Vestibule #11	12"x12" tan with white and brown streaks vinyl floor tile	NAD
77	2 nd FI/Main Level – Storage b/w SE Vestibule and SE Stairs #3	mastic – under 12"x12" tan with white and brown streaks vinyl floor tile	10
78	2 nd FI/Main Level – Southeast Vestibule #11	mastic – under 12"x12" tan with white and brown streaks vinyl floor tile	20
79	2 nd FI/Main Level – Storage adj. to B&C Confer. Rm 11b	mastic – under 12"x12" blue with white specks vinyl floor tile	15
80	2 nd FI/Main Level – Storage adj. to B&C Confer. Rm 11b	mastic – under 12"x12" blue with white specks vinyl floor tile	20
81	2 nd FI/Main Level – Kitchen adj. to B&C Confer. Rm 12b	gray sink undercoat	3
82	2 nd FI/Main Level – Kitchen #24	gray sink undercoat	2
83	3 rd Floor – Mail Rm/Kitchenette 3	gray sink undercoat	2
84	2 nd FI/Main Level – Alcove by Northeast Lobby Stairwell #4a	brown carpet glue	NAD
85	2 nd FI/Main Level – Hall A by Server and Janitor Closet	brown carpet glue	NAD
86	2 nd FI/Main Level – Town Clerk #14a	9"x9" beige with brown and white specks vinyl floor tile	NAD
87	2 nd FI/Main Level – Town Clerk #14a	9"x9" beige with brown and white specks vinyl floor tile	NAD
88	2 nd FI/Main Level – Town Clerk Vault #15a	mastic – under 9"x9" beige with brown and white specks vinyl floor tile	10
89	2 nd FI/Main Level – Town Clerk Vault #15a	mastic – under 9"x9" beige with brown and white specks vinyl floor tile	8
90	2 nd FI/Main Level – Town Clerk Electrical Rm #19a	12"x12" olive green with white streaks vinyl floor tile	NAD
91	2 nd FI/Main Level –Taxation Vault 22b	12"x12" olive green with white streaks vinyl floor tile	NAD
92	2 nd FI/Main Level – Town Clerk Electrical Rm #19a	mastic – under 12"x12" olive green with white streaks vinyl floor tile	8
93	2 nd FI/Main Level –Taxation Vault 22b	mastic – under 12"x12" olive green with white streaks vinyl floor tile	12
94	2 nd FI/Main Level – Stair b/h smaller Food Pantry #23a	mastic – under 9"x9" green vinyl floor tile	NAD
95	2 nd FI/Main Level – Stair b/h smaller Food Pantry #23a	mastic – under 9"x9" green vinyl floor tile	NAD
96	2 nd FI/Main Level –Council Chamber #2a	felt paper	NAD

Sample Number	Location	Material Sampled	Percent Asbestos
97	2 nd Fl/Main Level –Council Chamber	felt paper	NAD
98	2 nd Fl/Main Level – Northwest Office	gray carpet glue	NAD
99	2 nd Fl/Main Level – Storage Rm to the right of the Mail/Copy Rm #33a	gray carpet glue	NAD
100	2 nd Fl/Main Level – Men’s Locker Rm #17	window glazing	NAD
101	3 rd Fl – Men’s Rm 26	window glazing	NAD
102	Lower Level – Bathroom Rm #4	window glazing	NAD
103	3rd FL - Hallway	brown expansion joint caulk	18
104	2 nd Fl/Main Level – Hallway A cbehind Council Chamber Platform	brown expansion joint caulk	10
105	2 nd Fl/Main Level – Gym/Multi-Purpose Space	glass block mortar	NAD
106	2 nd Fl/Main Level – Men’s Locker Rm #17	glass block mortar	NAD
107	Lower Level – Bathroom Rm #4	glass block mortar	NAD
108	2 nd Fl/Main Level – Gang Shower #17a	4”x4” tan ceramic grout	NAD
109	3 rd Fl – Men’s Rm 26	4”x4” tan ceramic grout	NAD
110	2 nd Fl/Main Level – Gang Shower #17a	ceramic wall tile setting compound	NAD
111	3 rd Fl – Men’s Rm 26	ceramic wall tile setting compound	NAD
112	Southeast Exterior Storage Rm #12	12”x12” gray with dark and light specks vinyl floor tile	NAD
113	Southeast Exterior Storage Rm #12	12”x12” gray with dark and light specks vinyl floor tile	NAD
114	Southeast Exterior Storage Rm #12	mastic – under 12”x12” gray with dark and light specks vinyl floor tile	NAD
115	Southeast Exterior Storage Rm	mastic – under 12”x12” gray with dark and light specks vinyl floor tile	NAD
116	Lower Level - Hallway #1	fire door insulation	57
117	Lower Level - Hallway #1	fire door insulation	69

Sample Number	Location	Material Sampled	Percent Asbestos
Ext.1	Exterior – West	Dark Brown Window Caulk	NAD
Ext.2	Exterior – Southwest	Bone White Door Frame Caulk	NAD
Ext.3	Exterior – South	White Emergency Wood Door Frame Caulk	NAD
Ext.4	Exterior – Southeast	Bone White Door Frame Caulk	10
Ext.5	Exterior – Southeast	Dark Brown Window Caulk	NAD
Ext.6	Exterior – Southeast	Gray Building Joint Caulk	NAD
Ext.7	Exterior – East	Dark Brown Window Caulk	NAD
Ext.8	Exterior – East	Dark Gray Window Caulk	NAD
Ext.9	Exterior – East	Gray Building Joint Caulk	NAD
Ext.10	Exterior – East	Dark Gray Window Caulk	NAD
Ext.11	Exterior – East	Gray Building Joint Caulk	NAD
Ext.12	Exterior – East	White Emergency Wood Door Frame Caulk	NAD
Ext.13	Exterior – North	Dark Gray Window Caulk	NAD
Ext.14	Exterior – North	Gray Building Joint Caulk	NAD
Ext.15	Exterior – North	Bone White Door Frame Caulk	5
Ext.16	Courtyard – North	White Emergency Wood Door Frame Caulk	NAD
Ext.17	Courtyard – East	Dark Brown Window Caulk	3
Ext.18	Courtyard – West	Dark Brown Window Caulk	NAD
Ext.19	Courtyard – North	Gray Building Joint Caulk	2
Ext.20	Courtyard – North	White Wall Glass Block Caulk	2
Ext.21	Courtyard – North	White Wall Glass Block Caulk	NAD
Ext.22	Courtyard – West	White Wall Glass Block Caulk	NAD
Ext.23	Courtyard – South	White Wall Glass Block Caulk	NAD

Sample Number	Location	Material Sampled	Percent Asbestos
R1	Roof A	Roof felt layer #1	NAD
R2	Roof A	Roof felt layer #2	NAD
R3	Roof A	Roof felt layer #3	NAD
R4	Roof A	Roof felt layer #4	NAD
R5	Roof A	Roof felt layer #5	NAD
R6	Roof A	Felt attached on top of fiberglass roof insulation	NAD
R7	Roof A	Base sheet on top of concrete roof deck	NAD
R8	Roof A	Concrete roof deck	NAD
R9	Roof A	Brick wall roofing felt	NAD
R10	Roof A	Pitch box	10%
R11	Roof A	HVAC top flashing paper	NAD
R12	Roof A	HVAC bottom flashing layer	20%
R13	Roof A	Chimney water proof	NAD
R14	Roof A	Chimney water proof	NAD
R15	Roof A	Edge flashing	25%
R16	Roof A	Old window caulk	NAD
R17	Roof A	New window caulk	NAD

R18	Roof A	Louver caulk	1%
R19	Roof A	Black tab asphalt roof shingle	NAD
R20	Roof A	Top asphalt roof shingle	NAD
R21	Roof A	Second layer edge drip roof layer	NAD
R22	Roof A	Second layer edge drip roof layer	NAD
R23	Roof A	Felt #1	NAD
R24	Roof A	Felt #2	NAD
R25	Roof A	Felt #3	NAD
R26	Roof A	Felt #4	NAD
R27	Roof A	Felt #5	NAD
R28	Roof A	Base membrane	NAD
R29	Roof A	Base sheet roof membrane	NAD
R30	Roof B	Felt #1	NAD
R31	Roof B	Felt #2	NAD
R32	Roof B	Felt #3	NAD
R33	Roof B	Felt #4	NAD
R34	Roof B	Felt #5	NAD

R35	Roof B	Felt attached on top of fiberglass roof insulation	NAD
R36	Roof B	Base sheet on top of concrete roof deck	NAD
R37	Roof B	Concrete roof deck	2%
R38	Roof B	Window caulk	NAD
R39	Roof B	Asphalt shingles	NAD
R40	Roof B	Asphalt shingles	NAD
R41	Roof B	2 nd layer drip edge roof layer	NAD
R42	Roof B	Black roof cement on valley and roof edge	NAD
R43	Roof B	Black roof cement on valley and roof edge	NAD
R44	Roof B	Window caulk	NAD
R45	Roof B	Window glazing	NAD
R46	Roof B	Window glazing	NAD
R47	Roof B	Roof walking pad	NAD
R48	Roof B	Roof walking pad	NAD
R49	Roof B	Gray caulk, metal step flashing	NAD
R50	Roof B	Gray caulk, metal step flashing	NAD
R51	Roof B	Door caulk	NAD

R52	Roof B	Roof drain flashing	2%
R53	Roof B	Roof drain flashing	15%
R54	Roof B	Plaster soffit	NAD
R55	Roof B	Plaster soffit	NAD
R56	Roof B	Plaster soffit	NAD
R57	Roof B	Perimeter flashing under window felt #1	NAD
R58	Roof B	Perimeter flashing under window felt #2	NAD
R59	Roof B	Perimeter flashing under window felt #3	NAD
R60	Roof B	Pitch pocket	NAD
R61	Roof C	Felt #1	NAD
R62	Roof C	Felt #2	NAD
R63	Roof C	Felt #3	NAD
R64	Roof C	Felt #4	NAD
R65	Roof C	Felt #5	NAD
R66	Roof C	Tar & insulation	NAD
R67	Roof C	Base sheet	NAD
R68	Roof C	Roof vent perimeter tar flashing	10%

R69	Roof C	Roof vent perimeter tar flashing	15%
R70	Roof C	Pitch pocket	5%
R71	Roof C	Perimeter flashing	15%
R72	Roof C	HVAC rooftop panel caulking	NAD
R73	Roof C	HVAC rooftop panel caulking	NAD
R74	Roof C	HVAC rooftop dunnage/ perimeter flashing	NAD
R75	Roof C	HVAC rooftop dunnage/ perimeter flashing	NAD
R76	Roof C	Asphalt roof shingle with tab	20%