

Attachment HH

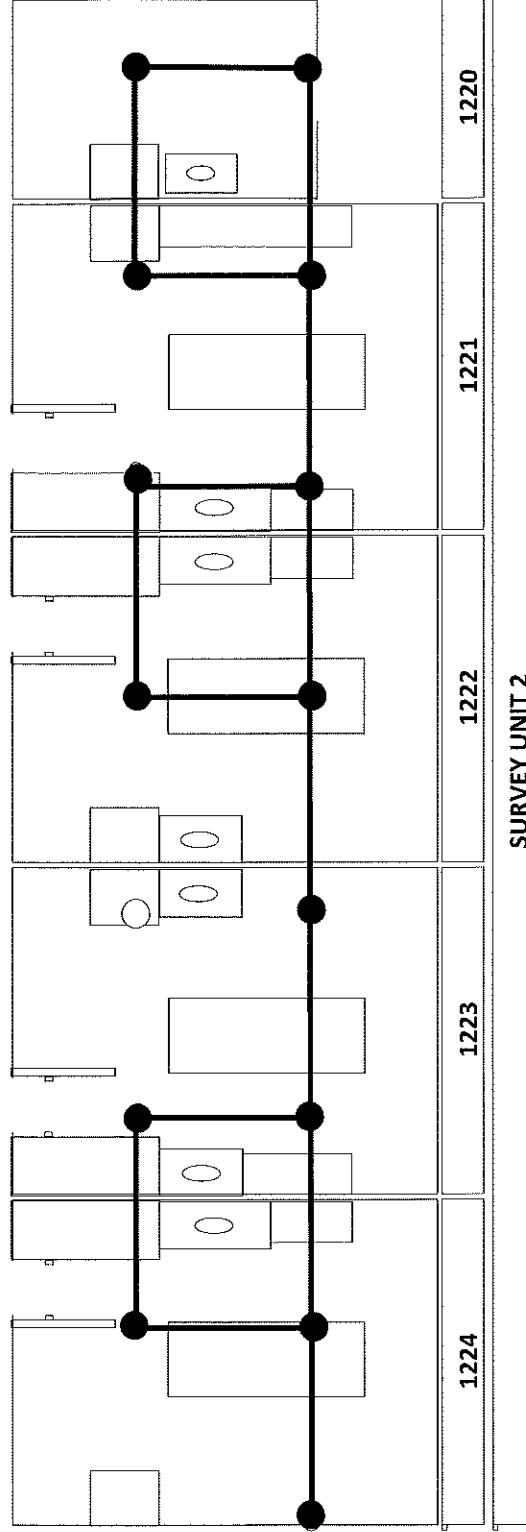
Survey Unit 2 Final Status Survey Results

Contents

Page	
2	Floor plan showing FSS random-start sample points
3	Drawing of a 6-foot fume hood
4	Drawing of a 8-foot fume hood
5	Room 1220 wipe locations
6	Room 1221 wipe locations
7	Room 1222 wipe locations
8	Room 1223 wipe locations
9	Room 1224 wipe locations
10-11	Wipe results
12	Room 1220 direct measurement locations
13	Room 1220 direct measurement results
14	Room 1221 direct measurement locations
15	Room 1221 direct measurement results
16	Room 1222 direct measurement locations
17	Room 1222 direct measurement results
18	Room 1223 direct measurement locations
19	Room 1223 direct measurement results
20	Room 1224 direct measurement locations
21	Room 1224 direct measurement results

**Survey Unit 2 Final Status Survey
Rooms 1220-1224**

Attachment HH

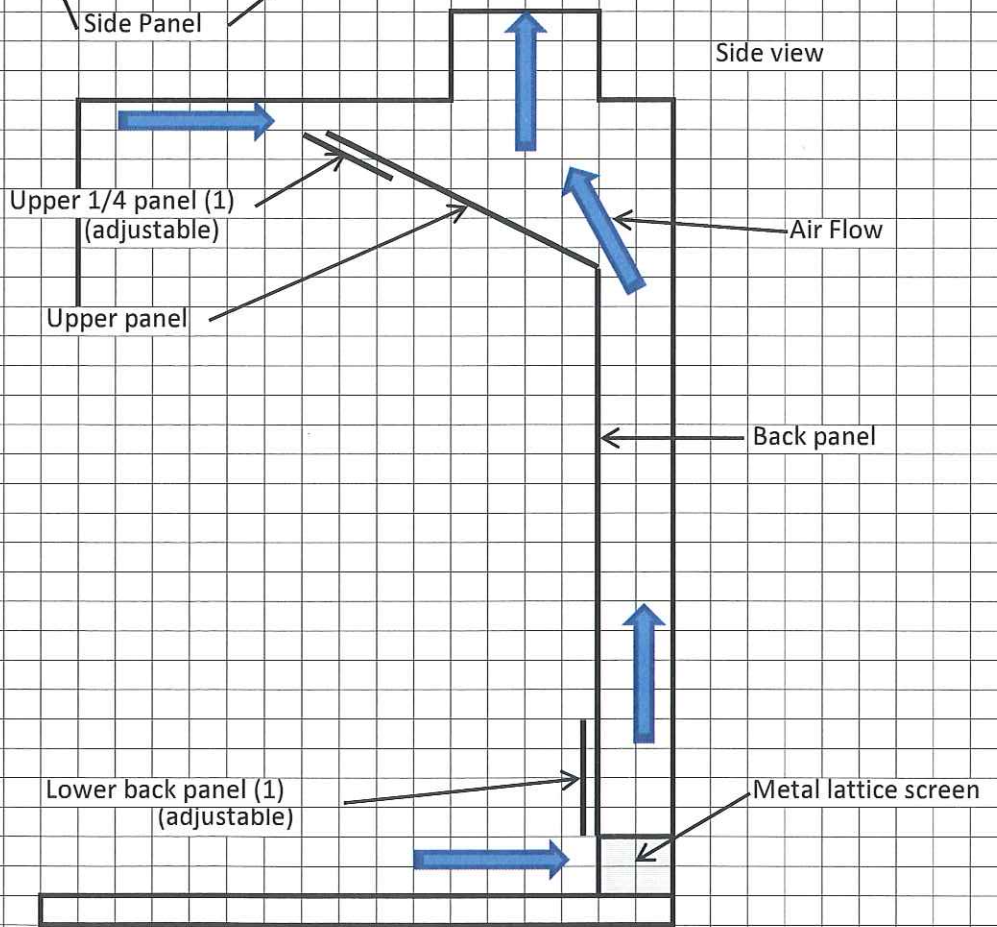
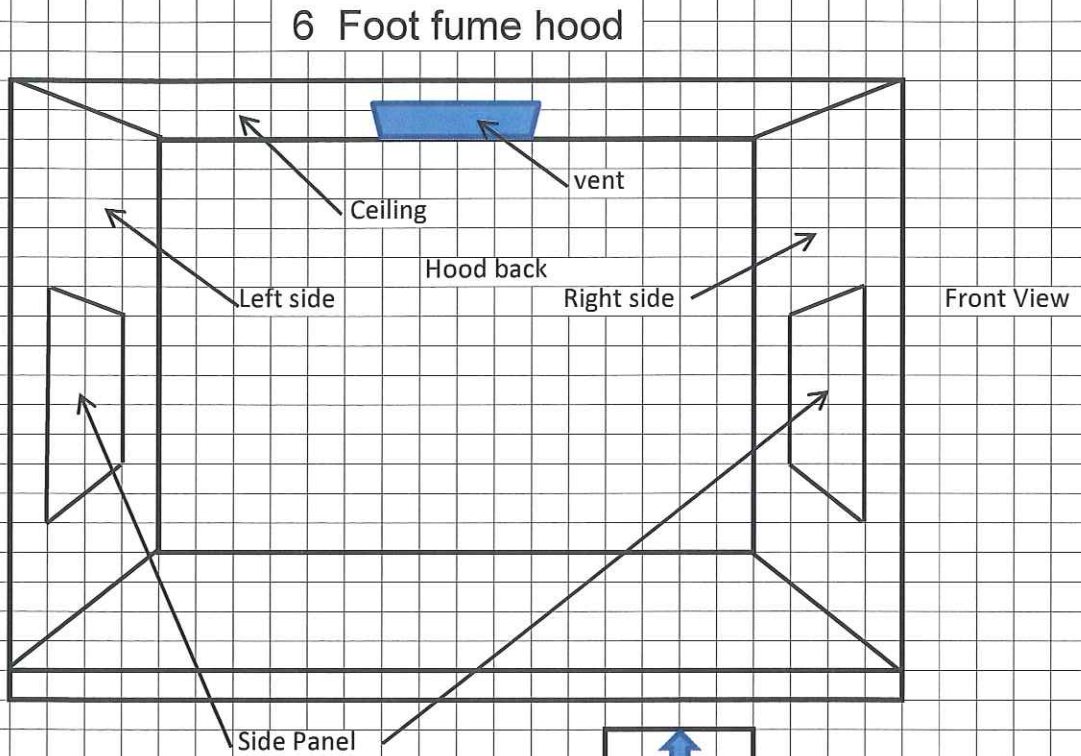


○ = Random start point

This random start point fell on a floor grate where an effective wipe sample could not be taken. Other wipe locations were determined from this point.

19 Pendleton Drive
 Hebron, CT 06248
 (860) 228-0487

Typical 6-Foot Transite Fume Hood



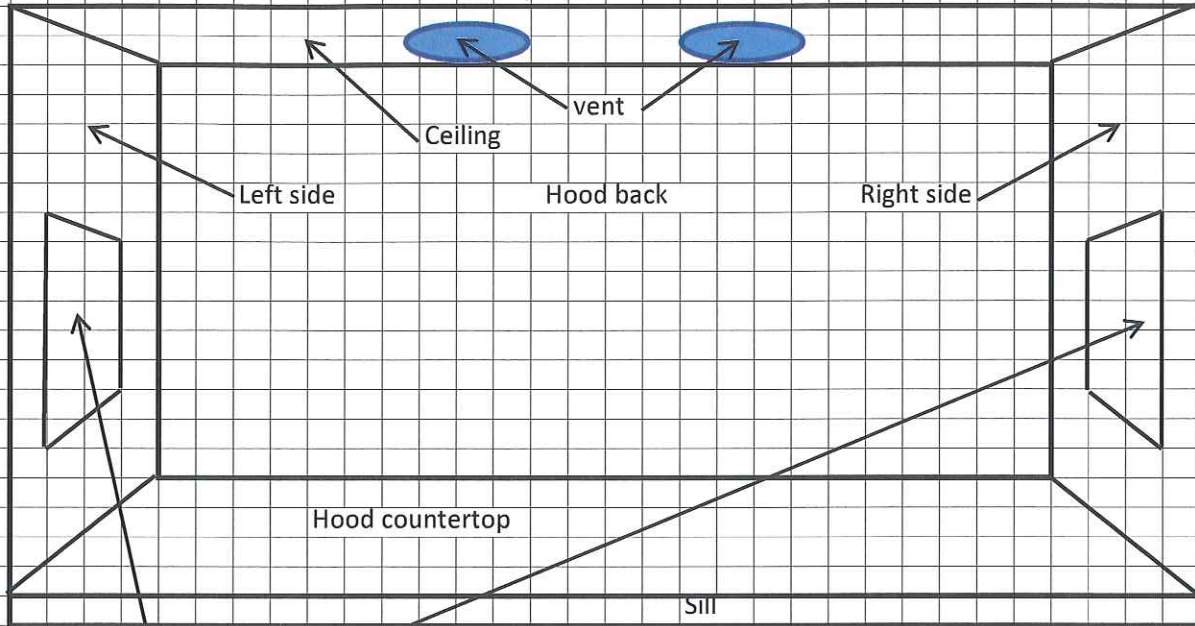
The following are removable

- 1 Upper 1/4 panel
- 2 Upper panel
- 3 Back panel
- 4 Lower Back panel
- 5 Side panel
- 6 Metal lattice screen

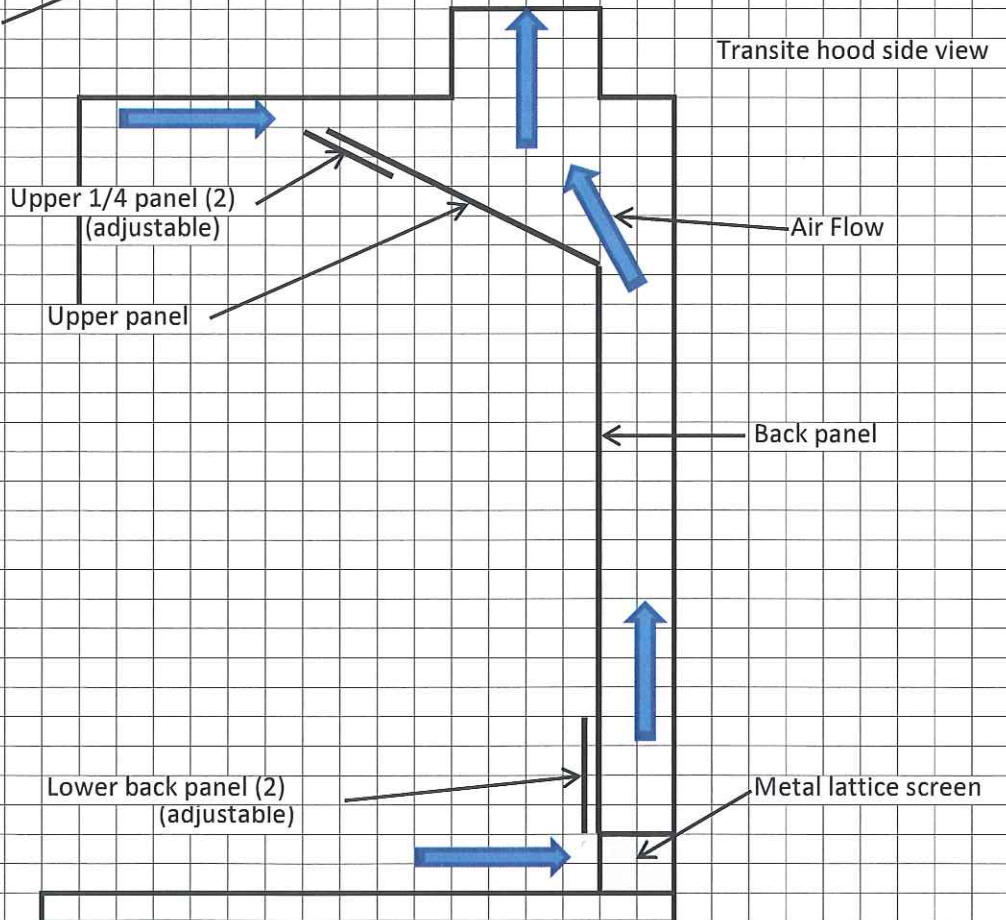
RADIATION SAFETY ASSOCIATES

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 Hebron, CT 06248
 (860) 228-0487

8 Foot fume hood

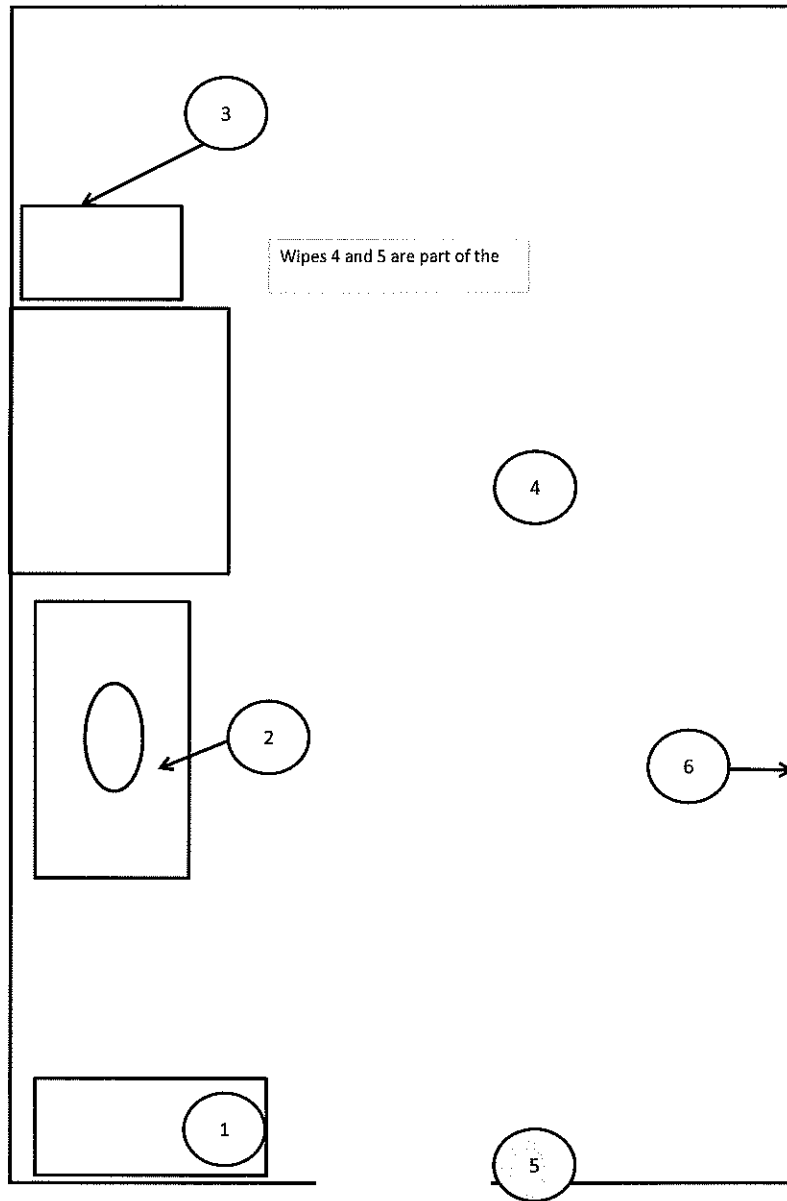


Transite hood side view

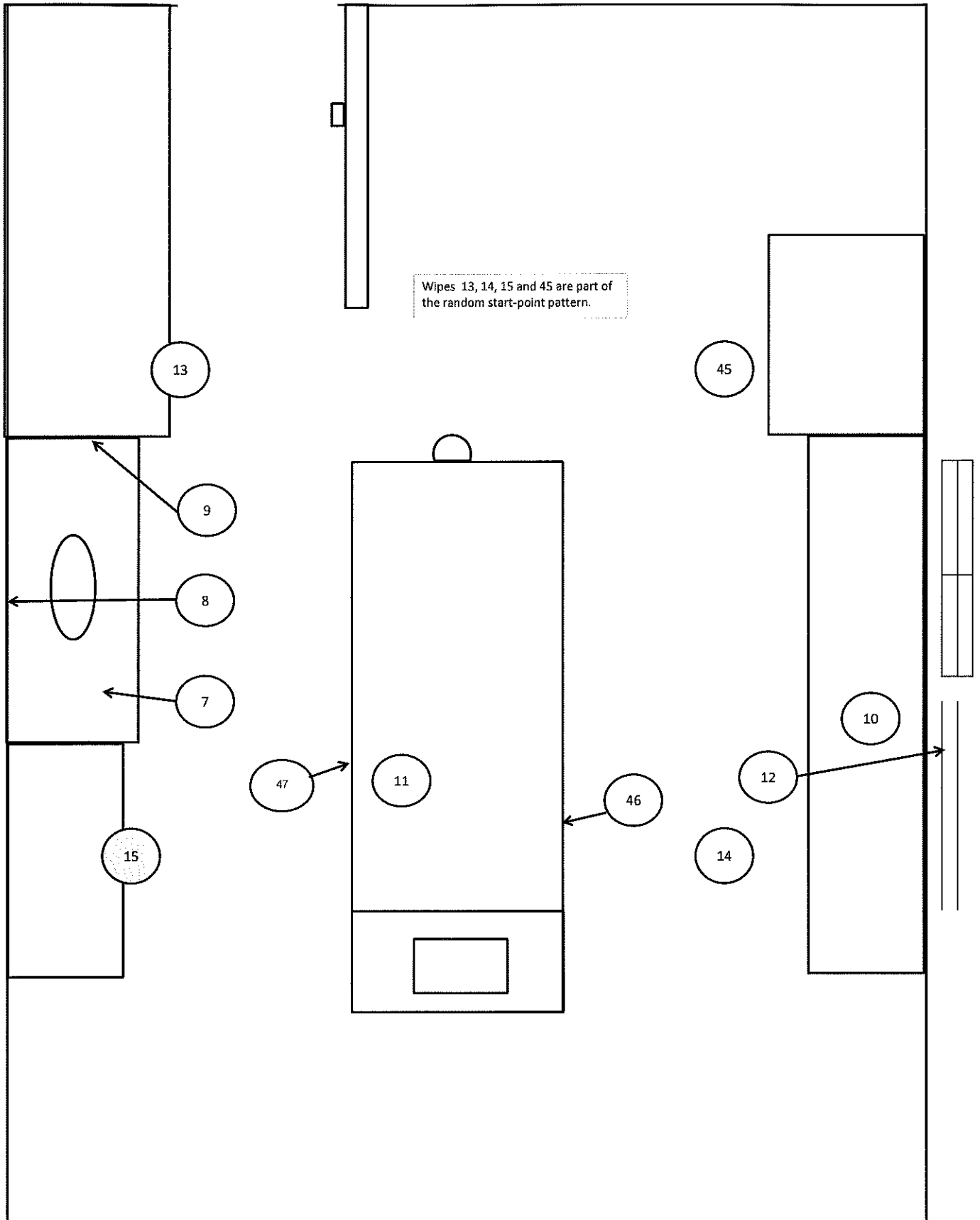


The following are removable

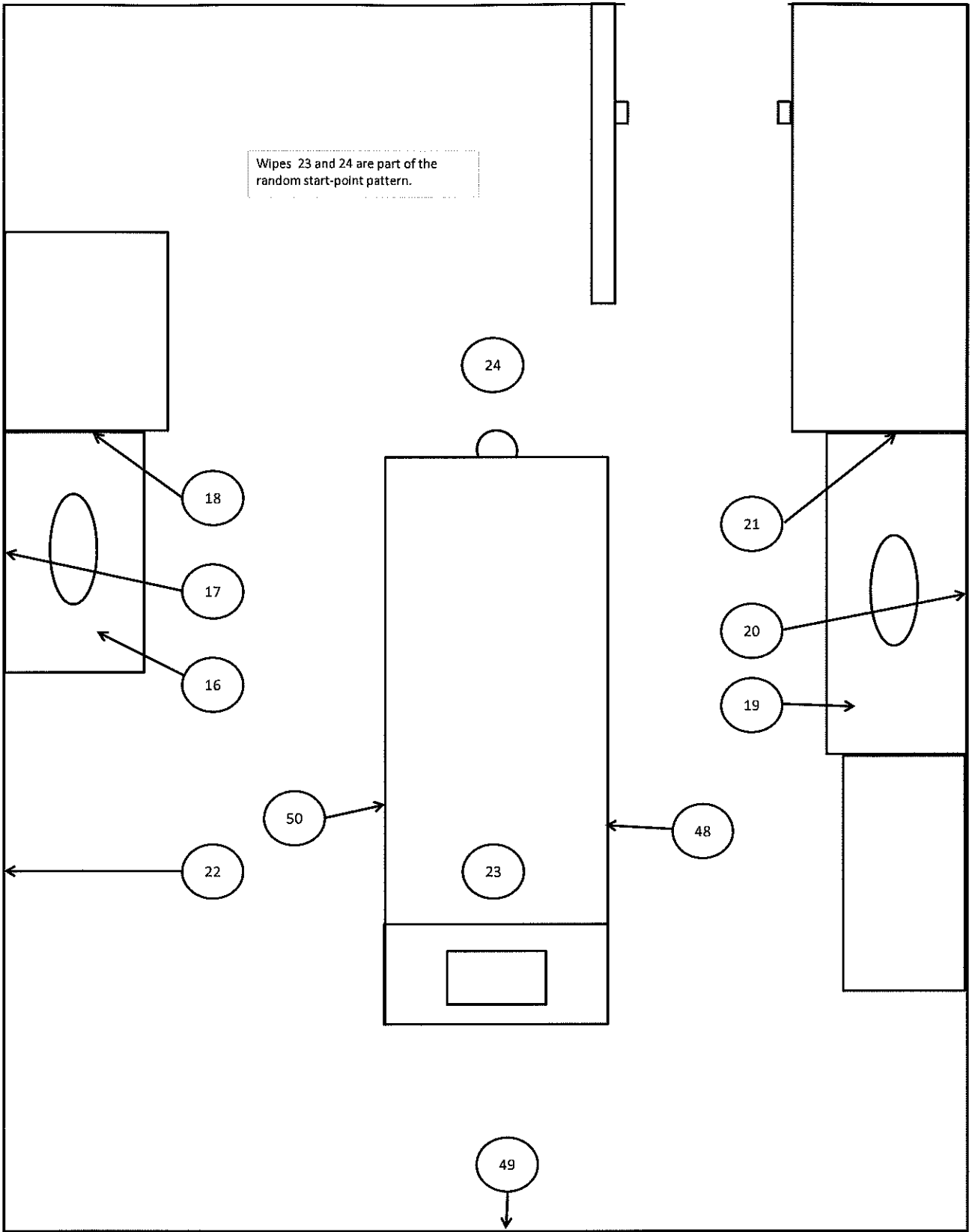
- 1 Upper 1/4 panel
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- 3 Back panel
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- 5 Side panel
- 6 Metal lattice screen



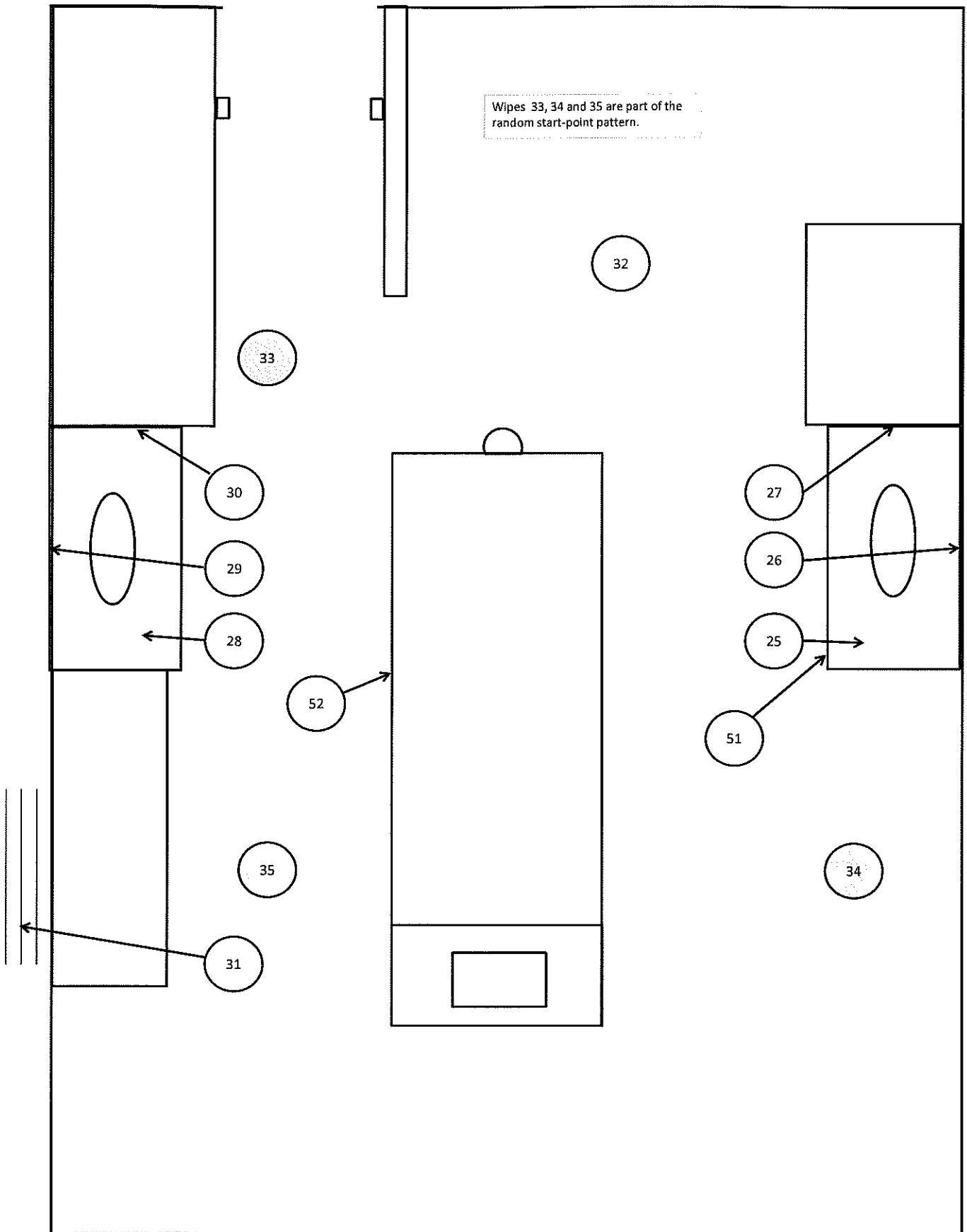
Room 1220 FSS Wipe Locations



Room 1221 FSS Wipe Locations



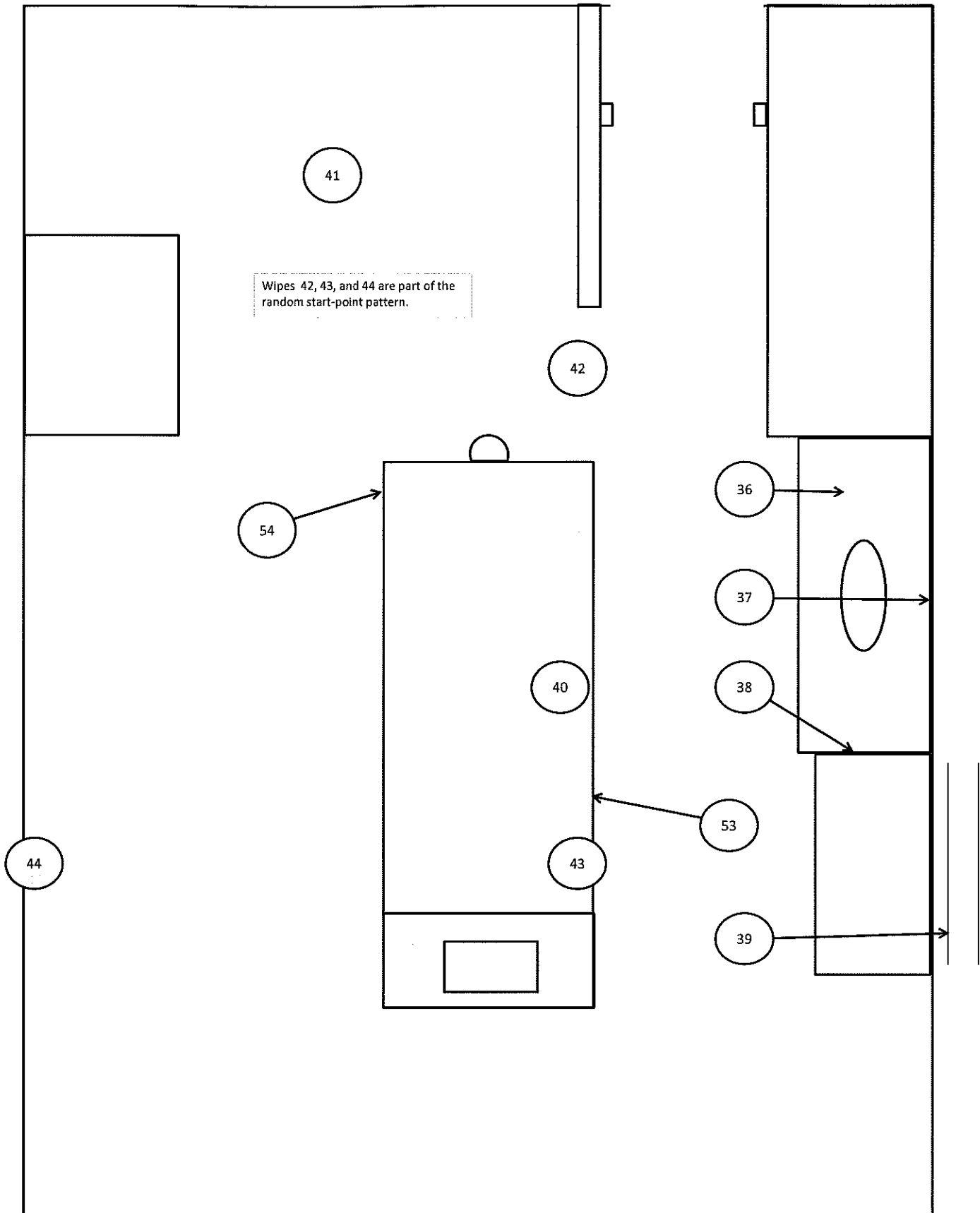
Room 1222 FSS Wipe Locations



Room 1223 FSS Wipe Locations
Chemtura Middlebury

**Survey Unit 2 Final Status Survey
Rooms 1220-1224**

Attachment HH



Room 1224 FSS Wipe Locations

Chemtura Middlebury

RSA Laboratories
Radiochemistry Analysis Data Sheet

Survey Unit 2 Final Status Survey
Rooms 1220-1224

Attachment HH

Page 1 of 2

Report No. **N/A**
 Customer Samp No. **N/A**

Customer: **Chemtura**
 Location: **Survey Unit 2 Wipes**

RSA Lab Sample No. **N/A**
 Date Collected: **5/3/2011**

Project: **Lab Decommissioning**
 Samp. Description: **FS Survey Wipes**

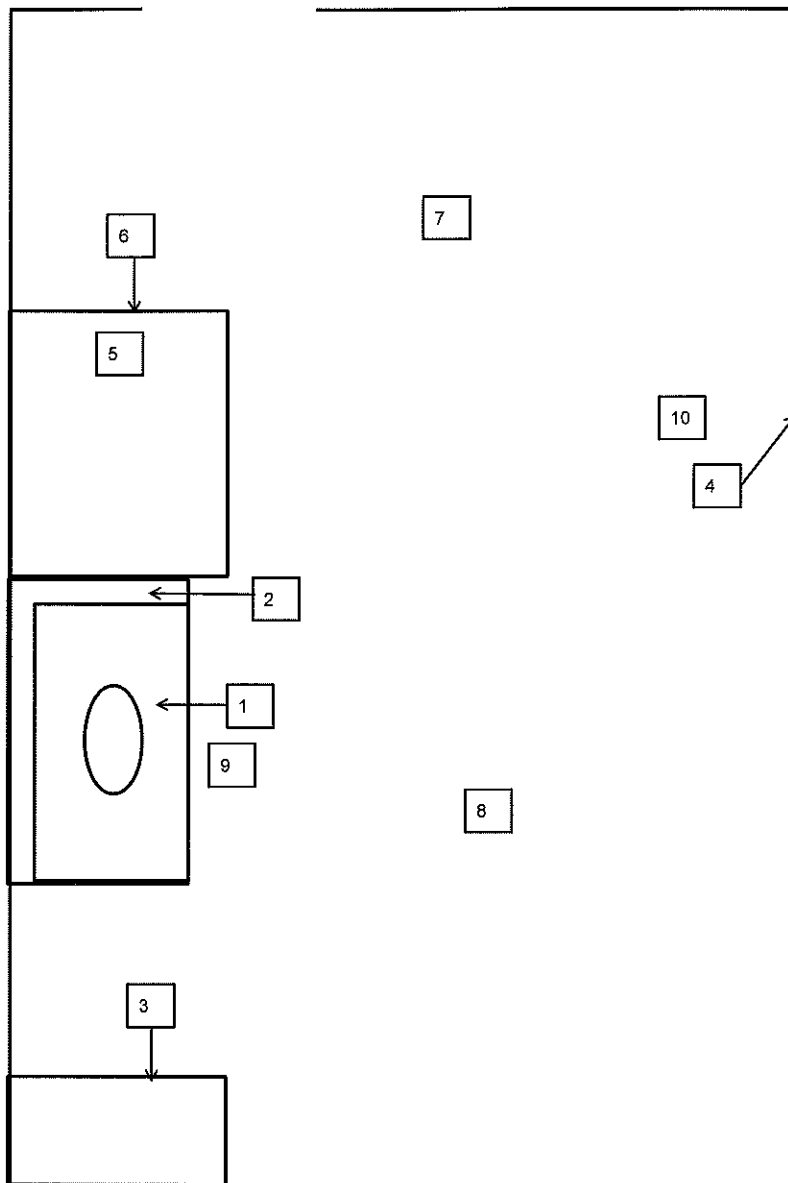
Date Counted: **5/3/2011**

Matrix: **Wipes**

C-14 LLD dpm= 39.89

RSA ID#	CUST. ID#	Location	C-14 CPM	C-14 DPM
BG		BACKGROUND	34.20	
1		Room 1220 Countertop	19.70	21.40
2		Room 1220 Hood Counter	17.60	19.20
3		Room 1220 Drawer 827	22.60	24.60
4		Room 1220 FS Gridpoint 1	13.90	15.10
5		Room 1220 FS Gridpoint 10	17.70	19.20
6		Room 1220 Wall	0.00	0.00
7		Room 1221 Hood Counter	12.80	13.90
8		Room 1221 Hood Ceiling	18.30	19.90
9		Room 1221 Hood Right Side	19.10	20.80
10		Room 1221 Countertop	14.80	16.10
11		Room 1221 Countertop	10.50	11.40
12		Room 1221 Shelf	11.30	12.20
13		Room 1221 FS Gridpoint 3	9.60	10.40
14		Room 1221 FS Gridpoint 11	14.70	16.00
15		Room 1221 FS Gridpoint 12	15.20	16.60
16		Room 1222 Hood 20 Counter	18.50	20.10
17		Room 1222 Hood Back	1.90	2.00
18		Room 1222 Hood Left Side	19.50	21.10
19		Room 1222 20A Counter	15.00	16.20
20		Room 1222 20A Back	13.60	14.70
21		Room 1222 20A Right Side	3.30	3.50
22		Room 1222 Wall	14.20	15.40
23		Room 1222 FS Gridpoint 4	16.80	18.30
C-14		QC C-14	114715.20	125153.00
24		Room 1222 FS Gridpoint 13	16.50	17.90
25		Room 1223 Hood 24 Counter	13.70	14.90
26		Room 1223 Hood 24 Back	22.20	24.20
27		Room 1223 Hood 24 Left Side	29.70	32.20
28		Room 1223 Hood 26 Counter	19.10	20.70
29		Room 1223 Hood 26 Back	16.00	17.30
30		Room 1223 Hood 26 Right Side	19.80	21.50
31		Room 1223 Shelf	15.60	17.00
32		Room 1223 Floor	0.00	0.00
33		Room 1223 FS Gridpoint 6	17.40	18.80
34		Room 1223 FS Gridpoint 14	23.30	25.30

Jay R. Dockendorff
 Laboratory Director



Room 1220 Direct Measurement Locations

Chemtura Corporation, Middlebury, CT
Direct Measurements -- Room 1220
Date: 4/29/2011

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%): 7.2

Background (5 min. count): 2730 **Beta cpm:** 546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
1	plexiglass hood #34 - base	1121	560.5	201
2	counter adj. hood	1089	544.5	-21
3	drawer #812	1072	536	-139
4	wall - work table vent (removed)	1054	527	-264
5	counter near entrance	1148	574	389
6	drawer #827	1124	562	222

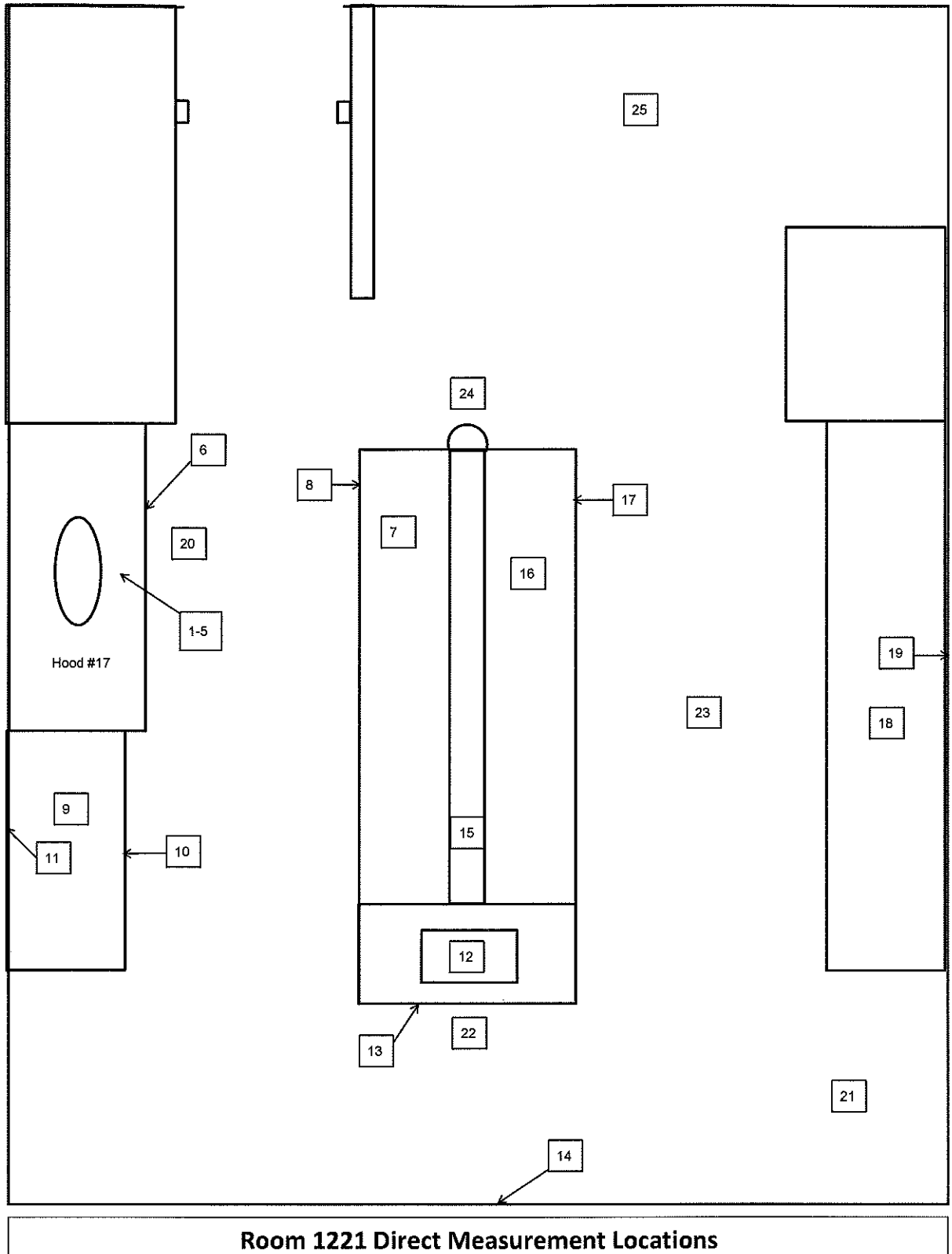
Meter #2: Ludlum 2224 s/n 1198159 w/43-37 s/n 160827

MDA: 309 dpm/100 cm²

C-14 efficiency (%): 4.7

Background (5 min. count): 2450 **Beta cpm:** 490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
7	floor - front center	897	448.5	-208
8	floor - rear center	794	397	-466
9	floor - plexiglass hood	884	442	-240
10	floor - work table (removed)	860	430	-300



Chemtura Corporation, Middlebury, CT
Direct Measurements -- Room 1221
Date: 4/29/2011

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%): 7.2

Background (5 min. count): 2730 **Beta cpm:** 546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
1	hood #17 - base	1085	542.5	-49
2	hood #17 - left wall	1043	521.5	-340
3	hood #17 - right wall	1227	613.5	938
4	hood #17 - back wall	1142	571	347
5	hood #17 - ceiling	1094	547	14
6	hood #17 - cabinet	1138	569	319
7	counter opp. hood #17	1038	519	-375
8	drawer #899 opp. hood #17	1050	525	-292
9	counter adj. hood #17	1161	580.5	479
10	drawer #931 adj. hood #17	1122	561	208
11	wall adj. hood #17	1065	532.5	-188
12	sink	1112	556	139
13	sink cabinet	1142	571	347
14	radiator opp. sink	1067	533.5	-174
15	counter shelf - left	1085	542.5	-49
16	counter - right	1118	559	181
17	drawer #886	1082	541	-69
18	wall counter - center	1112	556	139
19	wall counter - wall	1053	526.5	-271

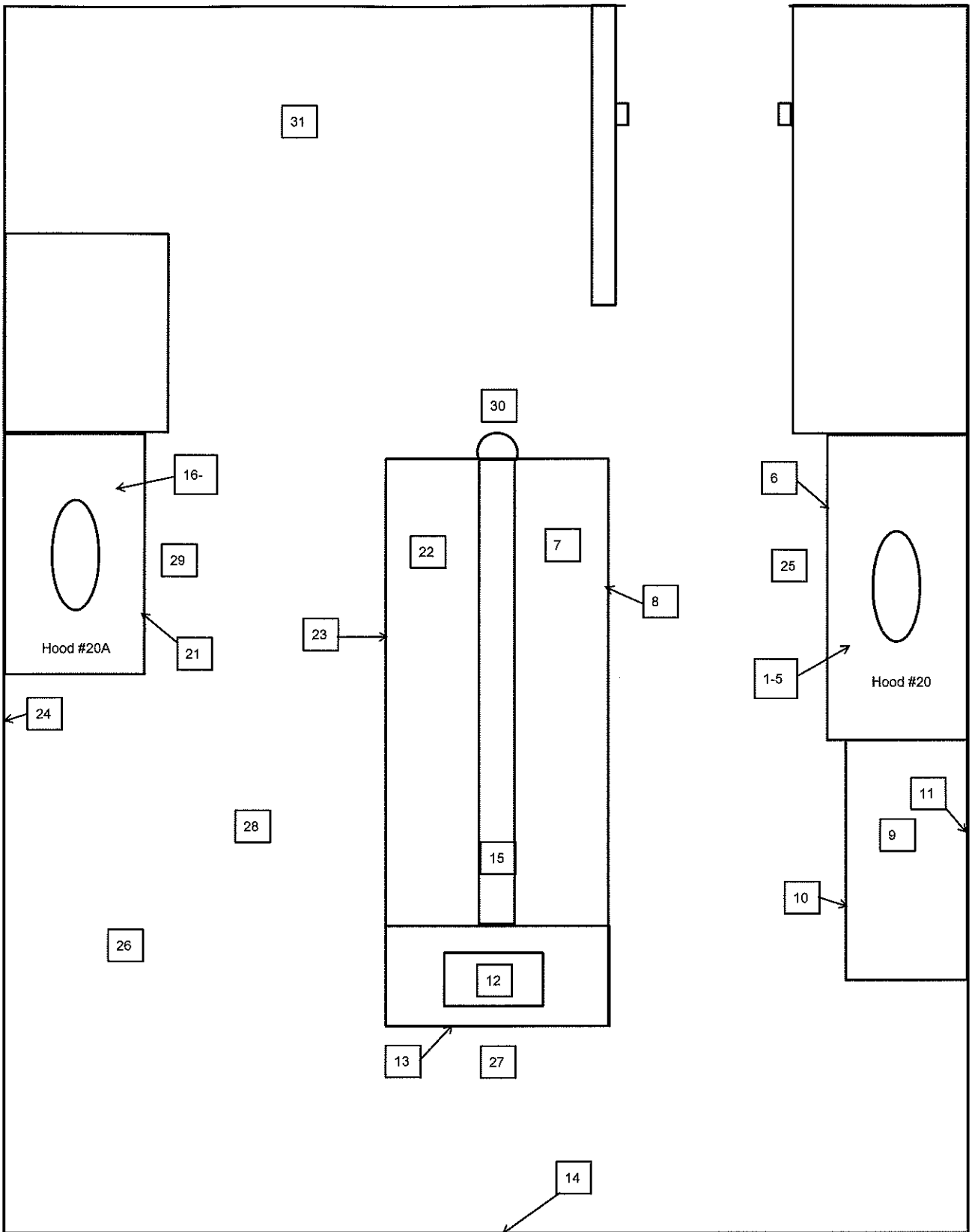
Meter #2: Ludlum 2224 s/n 119815 w/43-37 s/n 160827

MDA: 309 dpm/100 cm²

C-14 efficiency (%): 4.7

Background (5 min. count): 2450 **Beta cpm:** 490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
20	floor - hood #17	827	413.5	-383
21	floor - refrigerator (removed)	922	461	-145
22	floor - sink	891	445.5	-223
23	floor - center aisle	956	478	-60
24	floor - eyewash	1074	537	235
25	floor - desk area	1148	574	421



Room 1222 Direct Measurement Locations

**Survey Unit 2 Final Status Survey
Rooms 1220-1224**

Attachment HH

Chemtura Corporation, Middlebury, CT

Direct Measurements -- Room 1222

Date: 4/29/2011

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%):

7.2

Background (5 min. count):

2730

Beta cpm:

546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm/100 cm sq
1	hood #20 - base	1145	572.5	368
2	hood #20 - left wall	1184	592	639
3	hood #20 - right wall	1099	549.5	49
4	hood #20 - back wall	1255	627.5	1132
5	hood #20 - ceiling	1133	566.5	285
6	hood #20 - cabinet	1077	538.5	-104
7	counter opp. hood #20	1102	551	69
8	drawer opp. hood #20, 3rd row, top drawer	1038	519	-375
9	counter adj. hood #20	1070	535	-153
10	drawer adj. hood #20, 3rd row, top drawer	1114	557	153
11	wall adj. hood #20	1089	544.5	-21
12	sink	1171	585.5	549
13	sink cabinet	1110	555	125
14	radiator opp. sink	1095	547.5	21
15	counter shelf - right	1124	562	222
16	hood #20A - base	1165	582.5	507
17	hood #20A - left wall	1143	571.5	354
18	hood #20A - right wall	1181	590.5	618
19	hood #20A - back wall	1136	568	306
20	hood #20A - ceiling	1060	530	-222
21	hood #20A - cabinet	1126	563	236
22	counter opp. hood #20A	1181	590.5	618
23	drawer opp. hood #20A, 3rd row, 3rd drawer	1168	584	528
24	wall adj. hood #20A	1162	581	486

Meter #2: Ludlum 2224 s/n 119815 w/43-37 s/n 160827

MDA: 309 dpm/100 cm²

C-14 efficiency (%):

4.7

Background (5 min. count):

2450

Beta cpm:

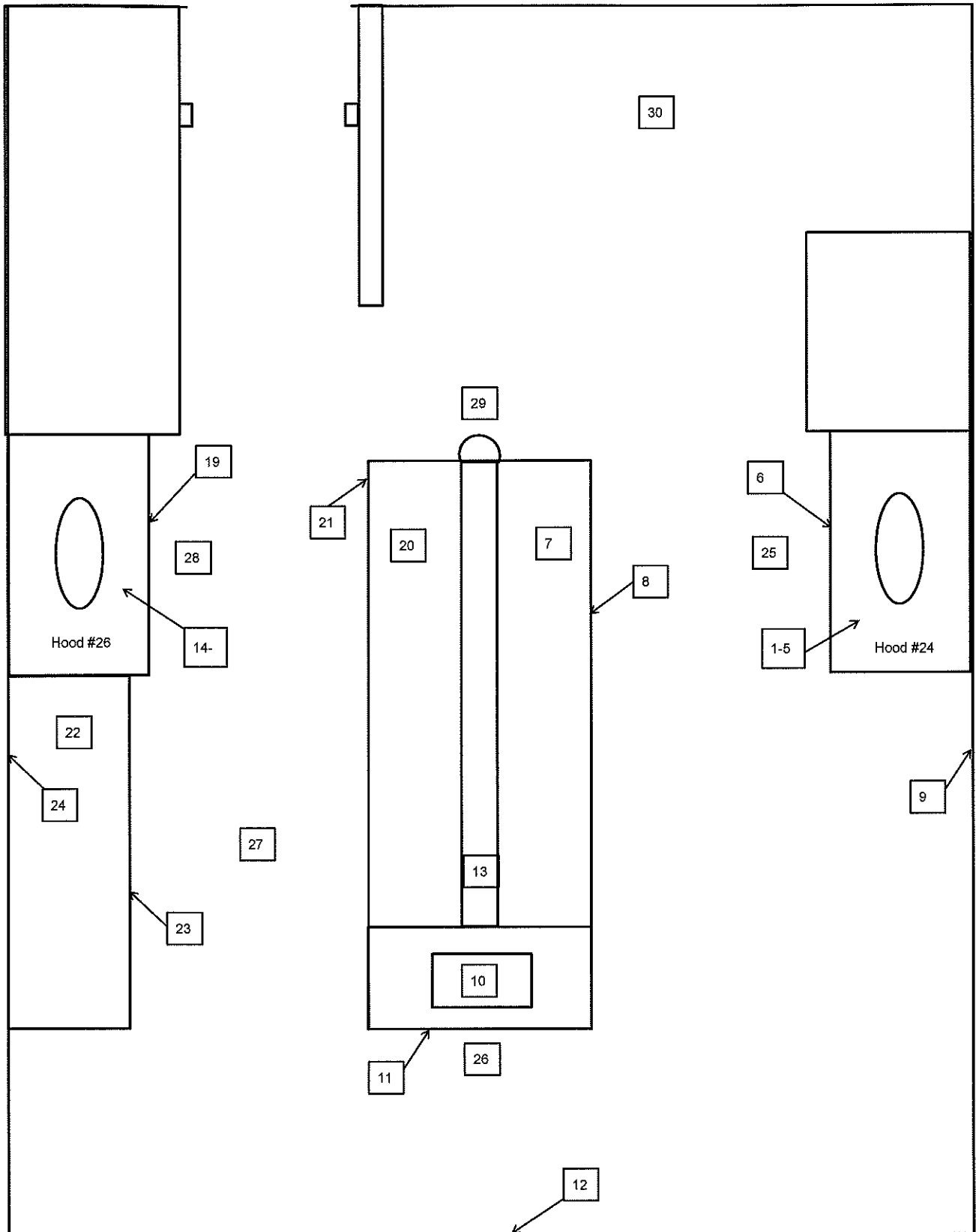
490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm/100 cm sq
25	floor - hood #20	1127	563.5	368
26	floor - refrigerator **	9515	4757.5	21364
27	floor - sink	1040	520	150
28	floor - center aisle	1180	590	501
29	floor - hood #20A	1118	559	345
30	floor - eyewash	1082	541	255
31	floor - desk area	1091	545.5	278

** Floor tiles removed, put in rad waste.

Post Decon

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm/100 cm sq
26	floor - tiles removed	1084	542	260



Room 1223 Direct Measurement Locations

**Survey Unit 2 Final Status Survey
Rooms 1220-1224**

Attachment HH

**Chemtura Corporation, Middlebury, CT
Direct Measurements -- Room 1223
Date: 4/29/2011**

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%):

7.2

Background (5 min. count):

2730

Beta cpm:

546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
1	hood #24 - base	1103	551.5	76
2	hood #24 - left wall	1167	583.5	521
3	hood #24 - right wall	1125	562.5	229
4	hood #24 - back wall	1171	585.5	549
5	hood #24 - ceiling	1103	551.5	76
6	hood #24 - cabinet	1168	584	528
7	counter opp. hood #24	1127	563.5	243
8	drawer opp. hood #24, 4th row, 2nd drawer	1122	561	208
9	wall adj. hood #24	1125	562.5	229
10	sink	1084	542	-56
11	sink cabinet	1160	580	472
12	radiator opp. sink	1080	540	-83
13	counter shelf - right	1129	564.5	257
14	hood #26 - base	1128	564	250
15	hood #26 - left wall	1114	557	153
16	hood #26 - right wall	1136	568	306
17	hood #26 - back wall	1281	640.5	1313
18	hood #26 - ceiling	1138	569	319
19	hood #26 - cabinet	1164	582	500
20	counter opp. hood #26	1068	534	-167
21	drawer opp. hood #26, 1st row, 2nd drawer	1108	554	111
22	counter adj. hood #26	1070	535	-153
23	drawer adj. hood #26, 3rd row, 3rd drawer	1060	530	-222
24	wall adj. hood #26	1125	562.5	229

Meter #2: Ludlum 2224 s/n 119815 w/43-37 s/n 160827

MDA: 309 dpm/100 cm²

C-14 efficiency (%):

4.7

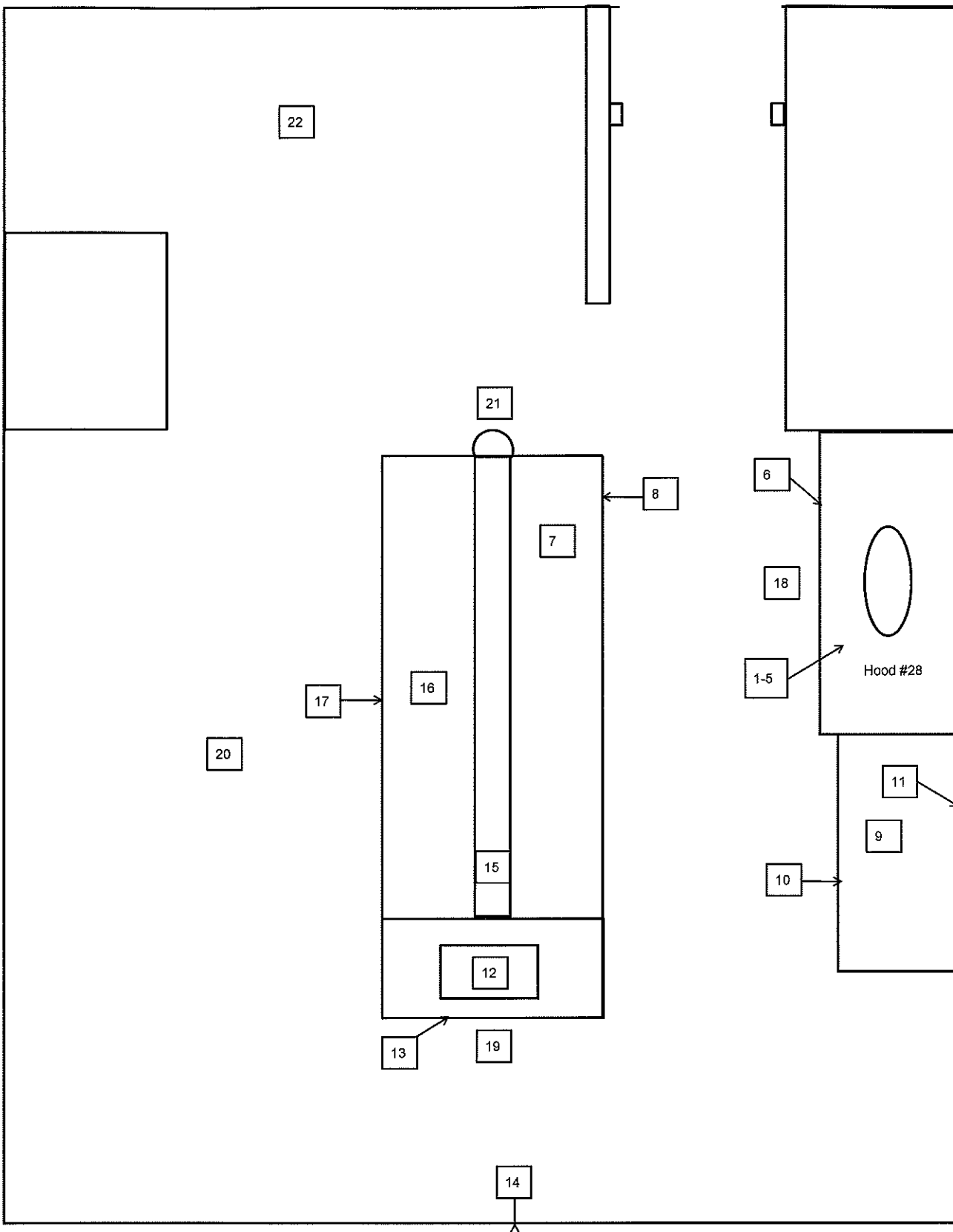
Background (5 min. count):

2450

Beta cpm:

490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
25	floor - hood #24	912	456	-170
26	floor - sink	962	481	-45
27	floor - center aisle	919	459.5	-153
28	floor - hood #26	934	467	-115
29	floor - eyewash	949	474.5	-78
30	floor - desk area	1105	552.5	313



Room 1224 Direct Measurement Locations

**Survey Unit 2 Final Status Survey
Rooms 1220-1224**

Attachment HH

Chemtura Corporation, Middlebury, CT

Direct Measurements -- Room 1224

Date: 4/29/2011

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%):

7.2

Background (5 min. count):

2730

Beta cpm:

546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
1	hood #28 - base	1224	612	917
2	hood #28 - left wall	1084	542	-56
3	hood #28 - right wall	1082	541	-69
4	hood #28 - back wall	1094	547	14
5	hood #28 - ceiling	1161	580.5	479
6	hood #28 - cabinet	1094	547	14
7	counter opp. hood #28	1082	541	-69
8	drawer opp. hood #28, 1st row, top drawer	1094	547	14
9	counter adj. hood #28	1067	533.5	-174
10	drawer adj. hood #28, 3rd row, 2nd drawer	1118	559	181
11	wall adj. hood #28	1057	528.5	-243
12	sink	1114	557	153
13	sink cabinet	1095	547.5	21
14	radiator opp. sink	1180	590	611
15	counter shelf - right	1118	559	181
16	counter - middle	1139	569.5	326
17	central counter, 5th row, 2nd drawer	1052	526	-278

Meter #2: Ludlum 2224 s/n 119815 w/43-37 s/n 160827

MDA: 309 dpm/100 cm²

C-14 efficiency (%):

4.7

Background (5 min. count):

2450

Beta cpm:

490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
18	floor - hood #28	819	409.5	-403
19	floor - sink	883	441.5	-243
20	floor - center aisle	975	487.5	-13
21	floor - eyewash	971	485.5	-23
22	floor - desk area	1068	534	220
23	floor - side room	993	496.5	33

Attachment I I

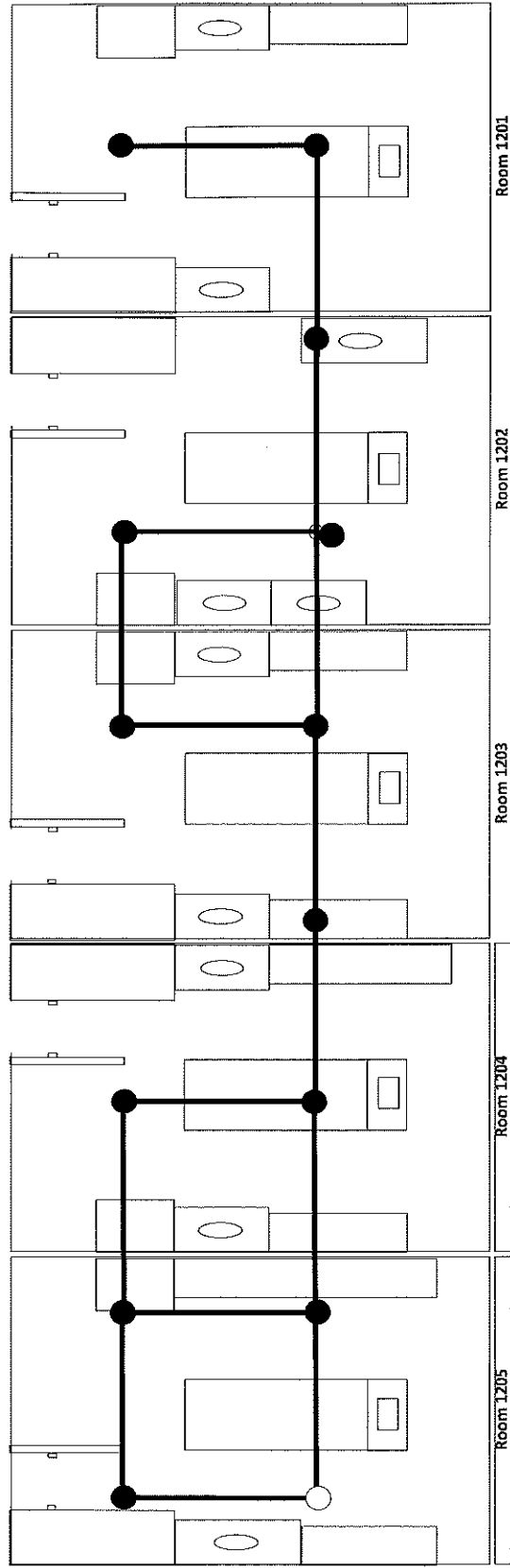
Survey Unit 3 Final Status Survey Results

Contents

Page	
2	Floor plan showing FSS random-start sample points
3	Drawing of a 6-foot fume hood
4	Drawing of an 8-foot fume hood
5	Room 1201 wipe locations
6	Room 1202 wipe locations
7	Room 1203 wipe locations
8	Room 1204 wipe locations
9	Room 1205 wipe locations
10-11	Wipe results
12	Room 1201 direct measurement locations
13	Room 1201 direct measurement results
14	Room 1202 direct measurement locations
15	Room 1202 direct measurement results
16	Room 1203 direct measurement locations
17	Room 1203 direct measurement results
18	Room 1204 direct measurement locations
19	Room 1204 direct measurement results
20	Room 1205 direct measurement locations
21	Room 1205 direct measurement results

Survey Unit 3 Final Status Survey
Rooms 1201-1205

Attachment II

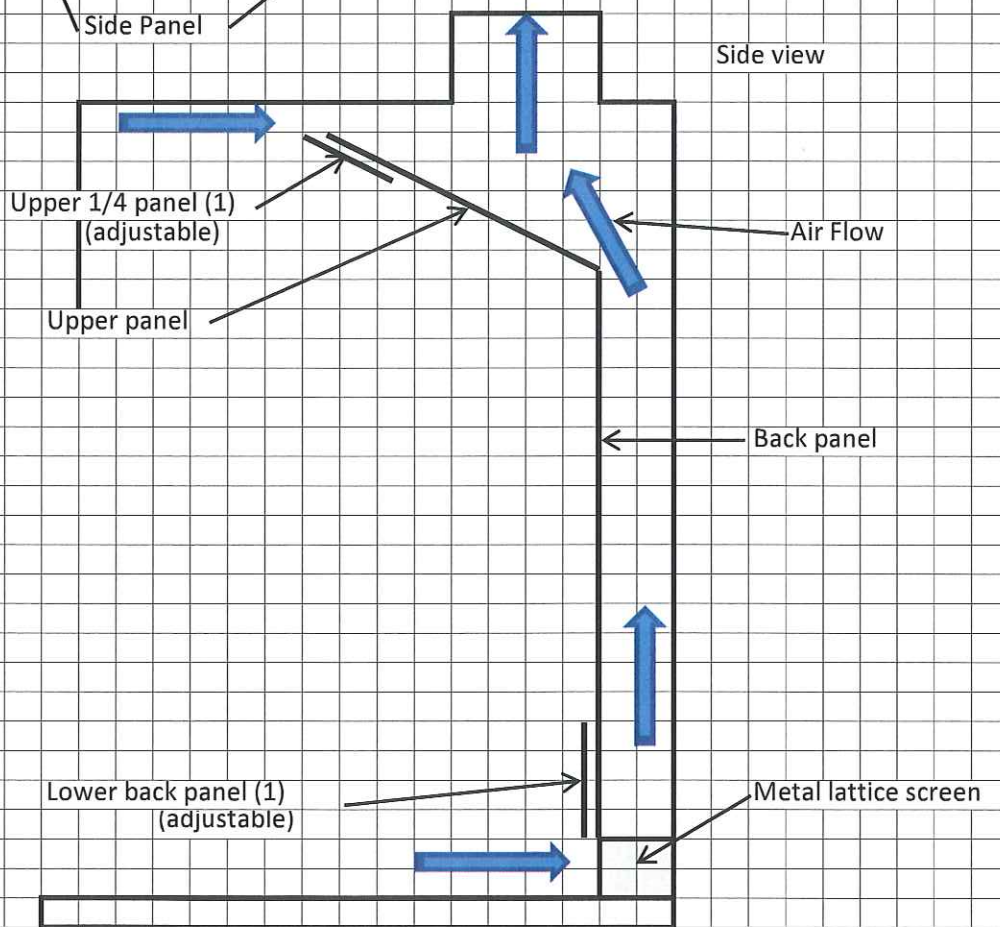
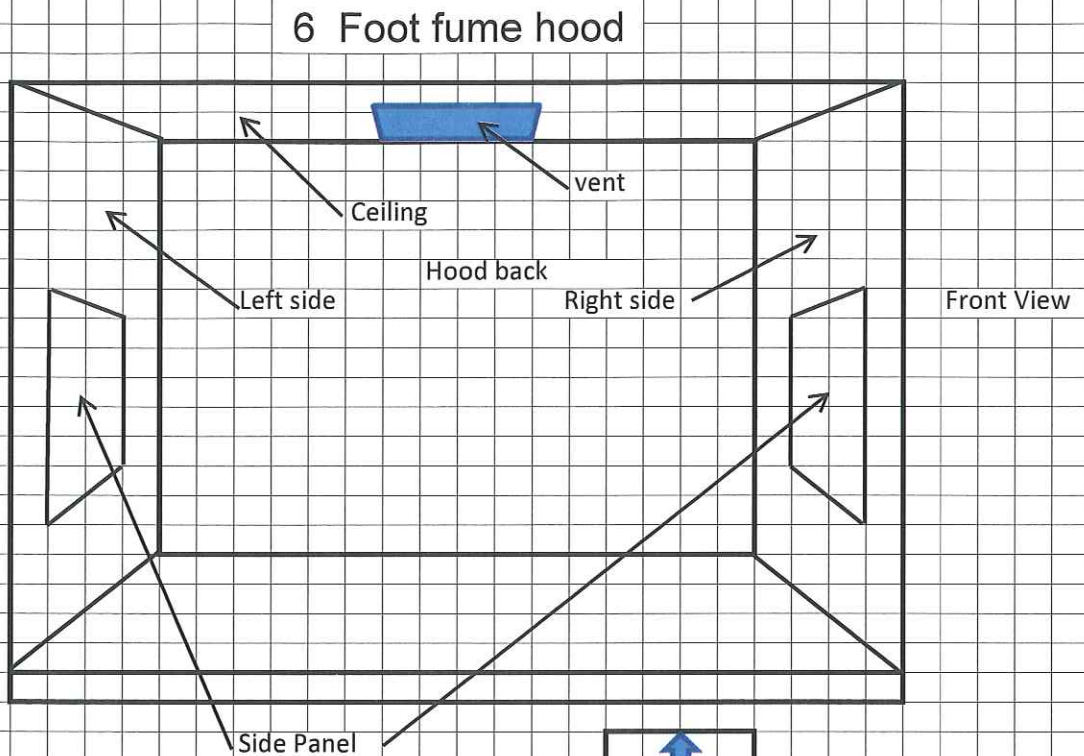


Survey Unit 3 FSS Sample/Measurement

○ = Random start point

19 Pendleton Drive
 Hebron, CT 06248
 (860) 228-0487

Typical 6-Foot Transite Fume Hood

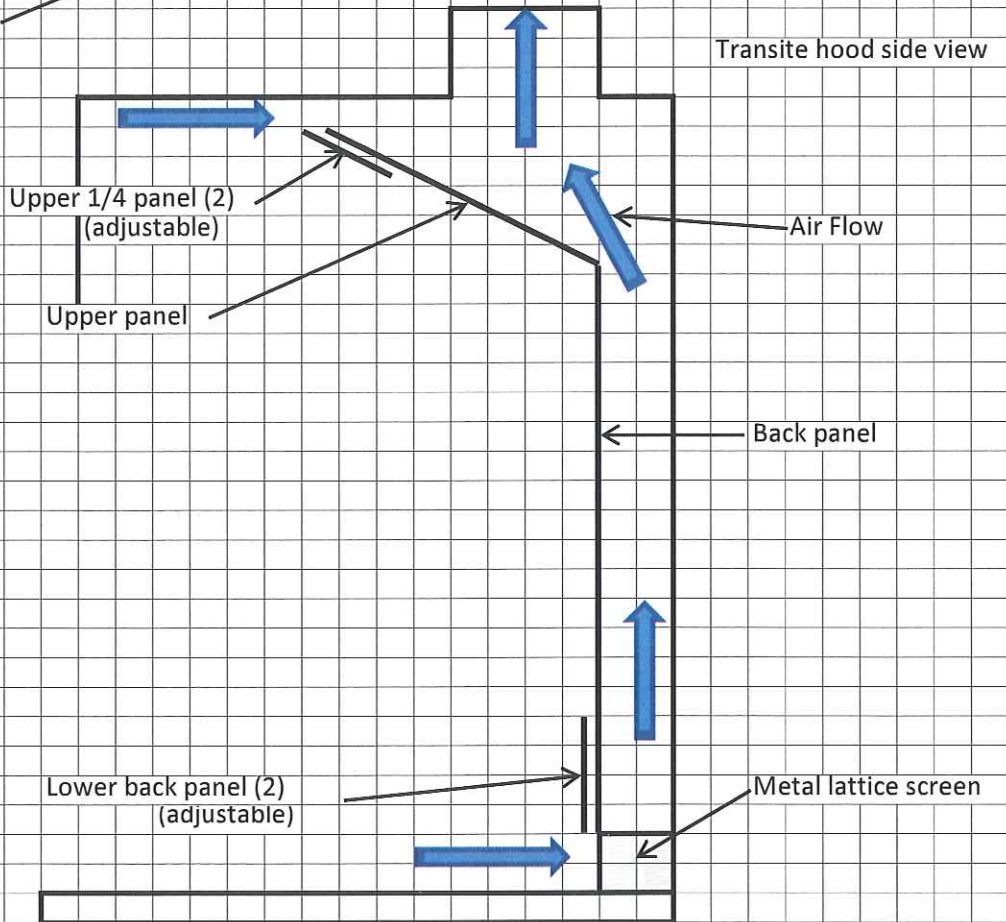
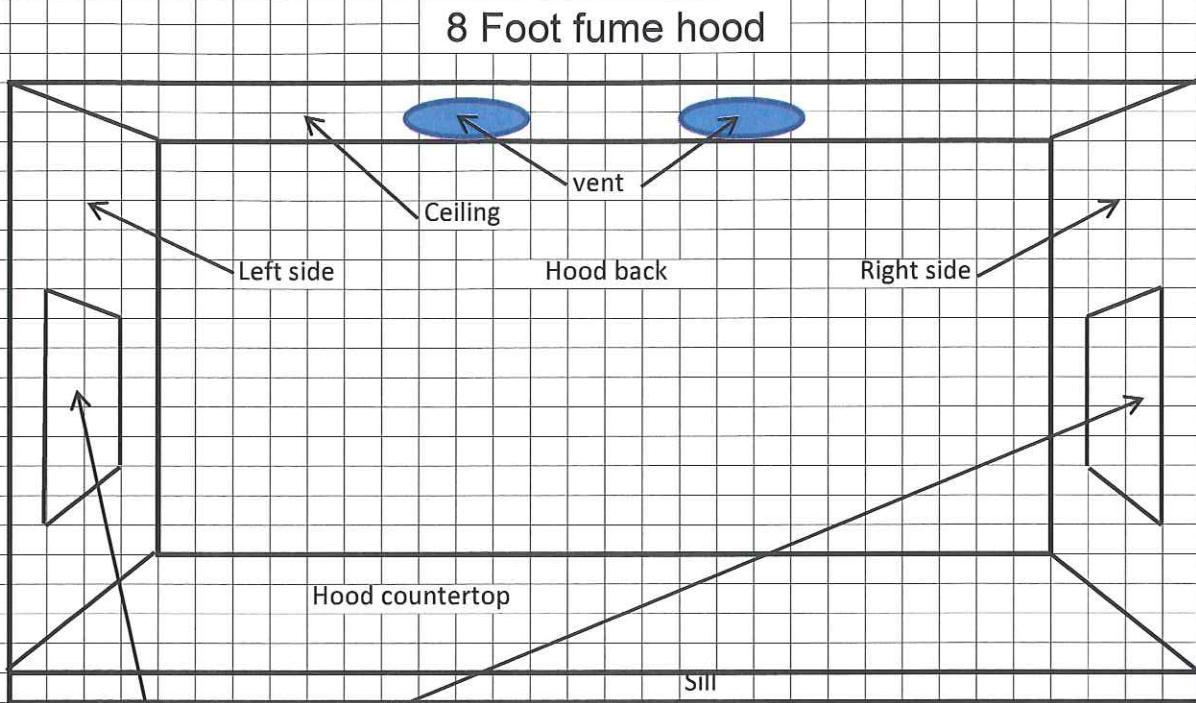


The following are removable

- 1 Upper 1/4 panel
- 2 Upper panel
- 3 Back panel
- 4 Lower Back panel
- 5 Side panel
- 6 Metal lattice screen

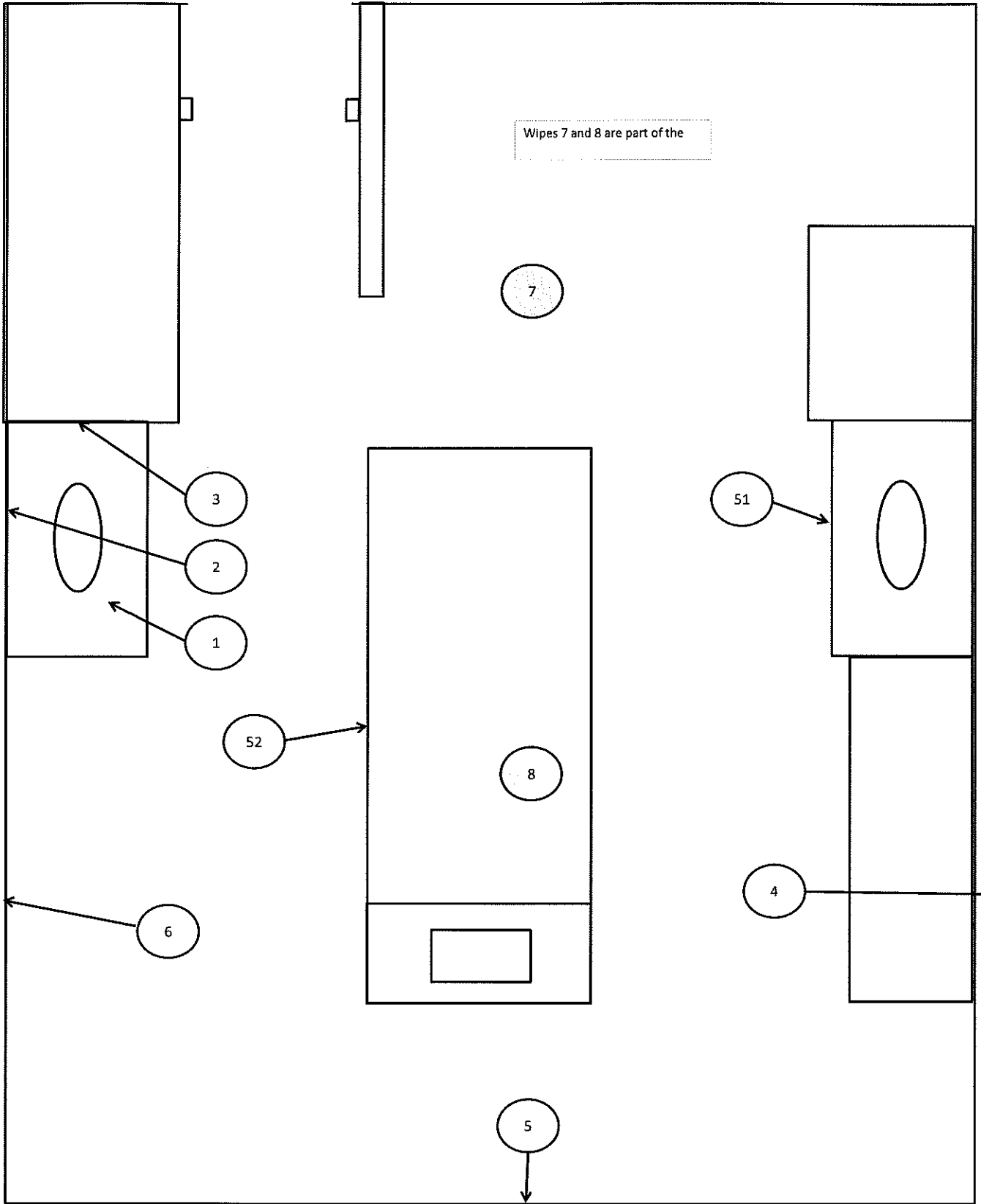
RADIATION SAFETY ASSOCIATES

19 Pendleton Drive
 Hebron, CT 06248
 (860) 228-0487

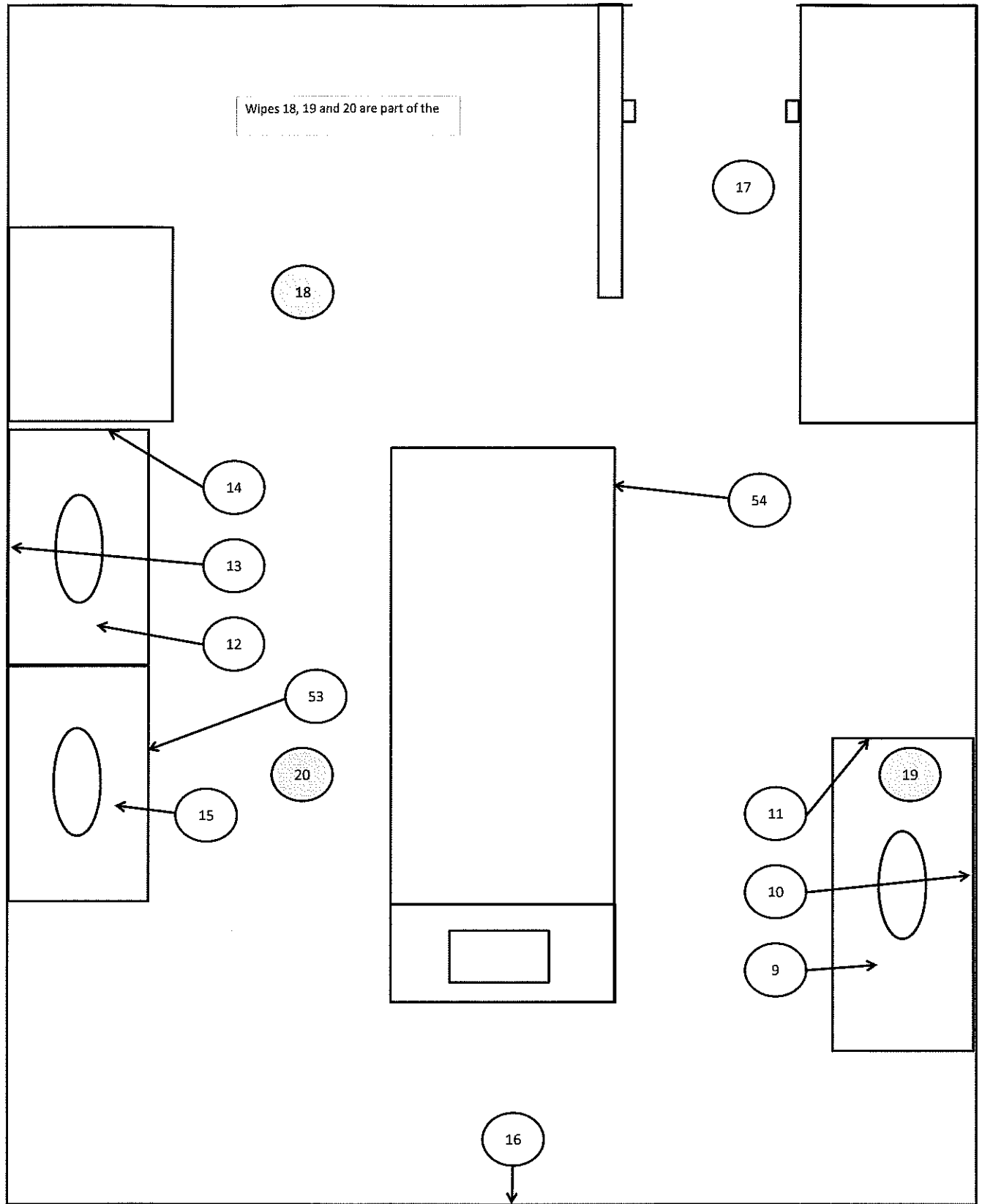


The following are removable

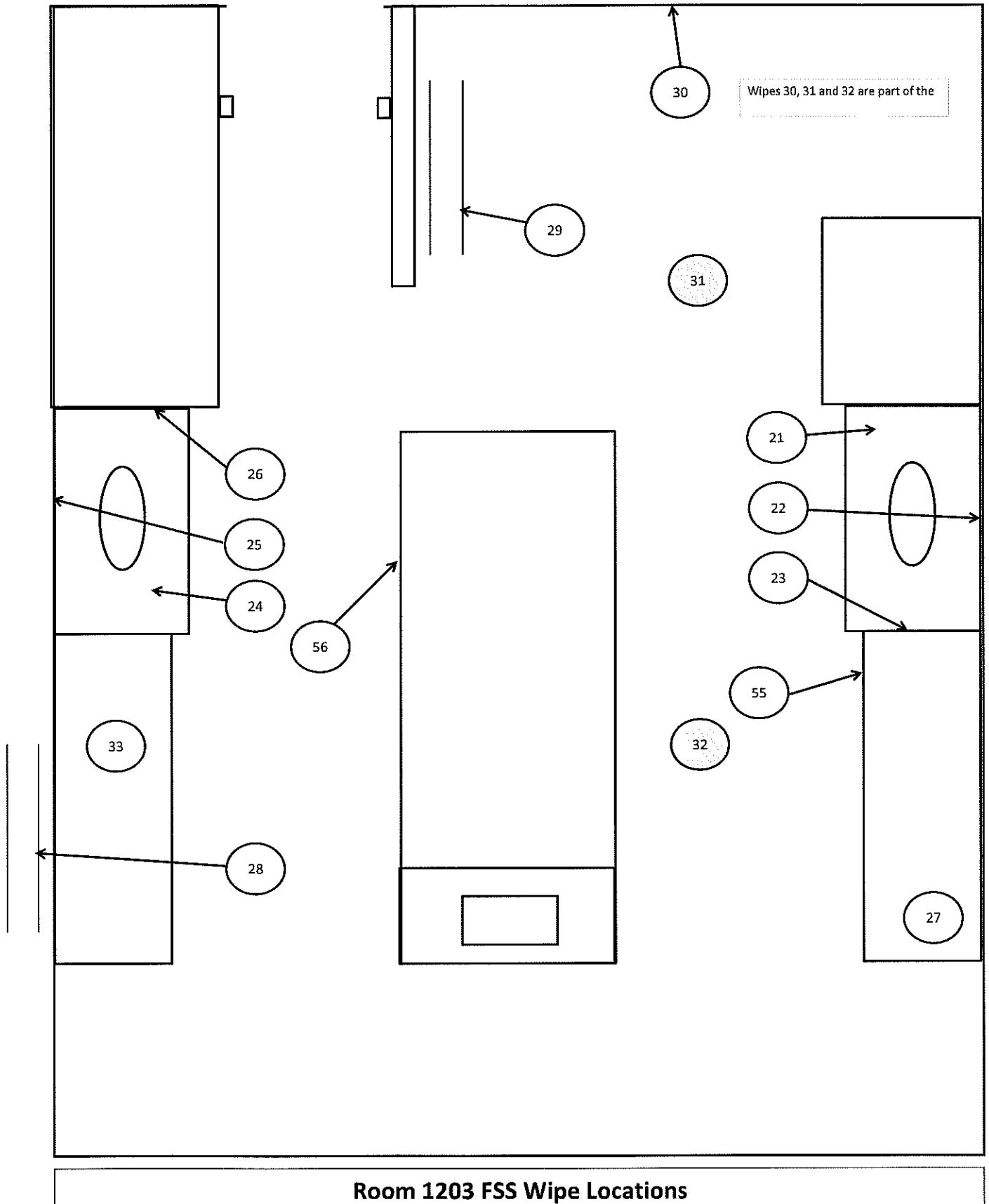
- 1 Upper 1/4 panel
- 2 Upper panel
- 3 Back panel
- 4 Lower Back panel
- 5 Side panel
- 6 Metal lattice screen



Room 1201 FSS Wipe Locations



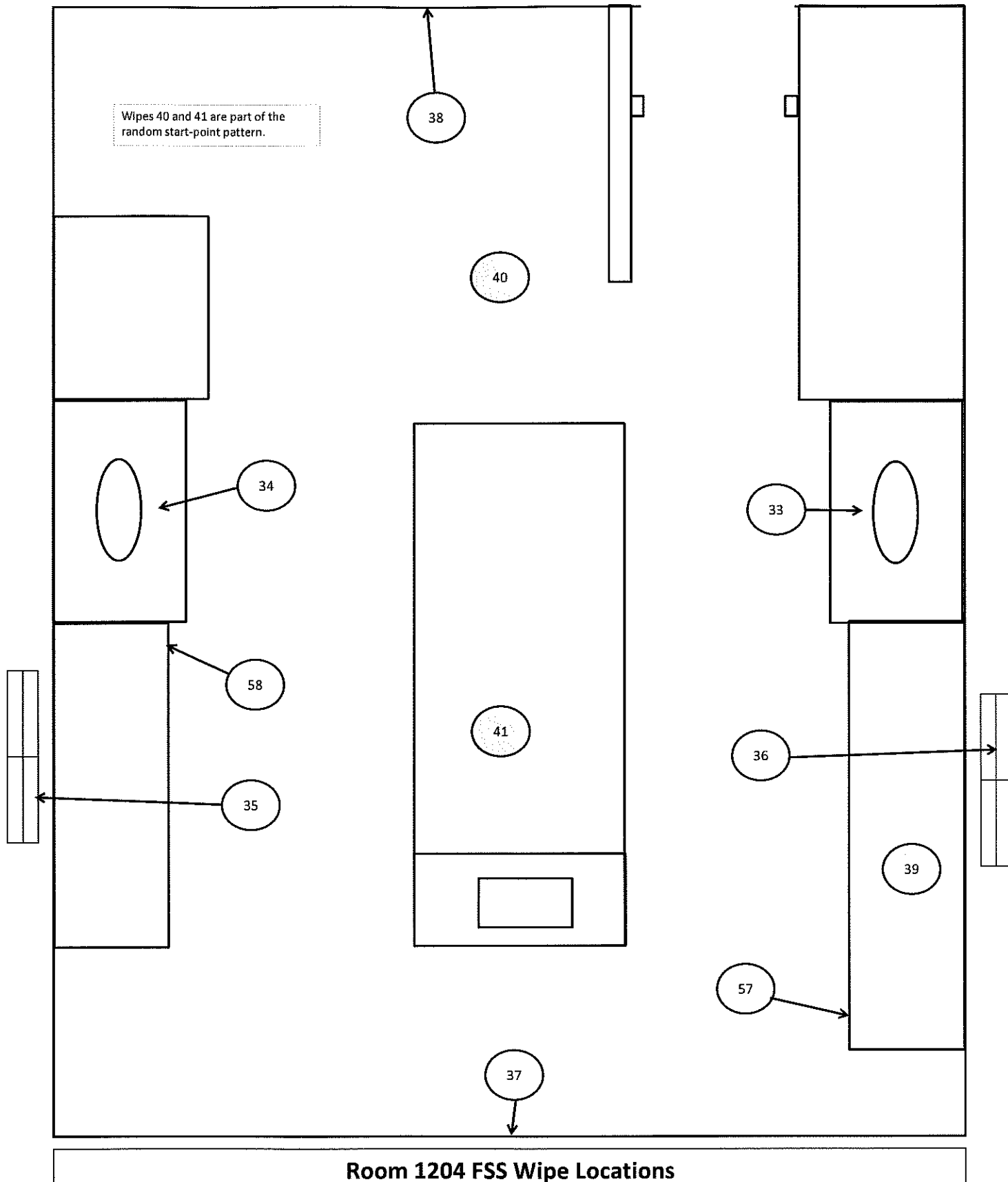
Room 1202 FSS Wipe Locations

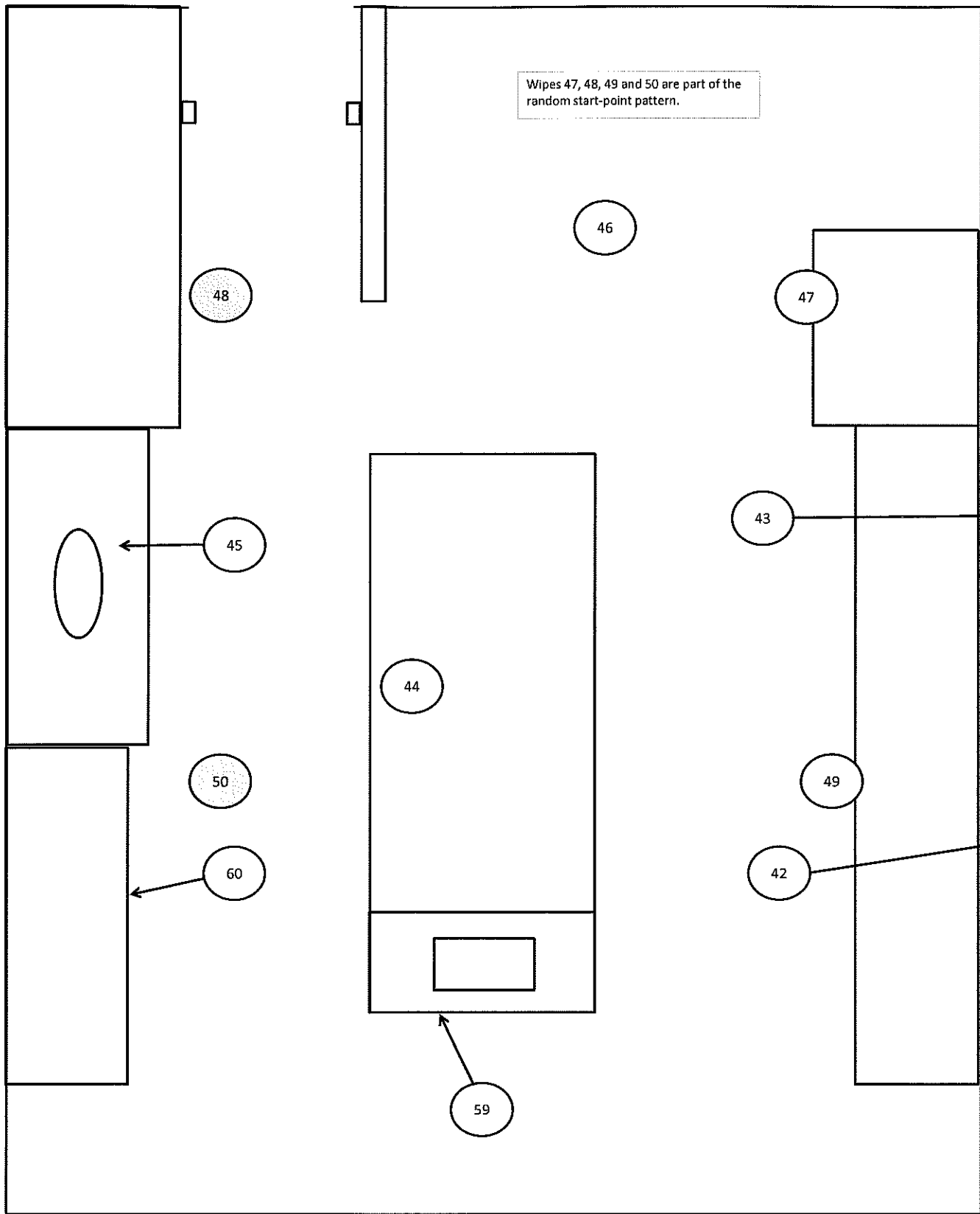


Room 1203 FSS Wipe Locations

Survey Unit 3 Final Status Survey
Rooms 1201-1205

Attachment I I





Room 1205 FSS Wipe Locations

**Survey Unit 3 Final Status Survey
Rooms 1201-1205**

Attachment I I

**RSA Laboratories
A Division of Radiation Safety Associates
Radiochemistry Analysis Data Sheet**

Page 1 of 2

Report No. **N/A**

Customer Samp No. **N/A**

RSA Lab Sample No. **N/A**

Date Collected: **5/3/2011**

Date Counted: **5/3/2011**

Customer: **Chemtura**

Location: **Survey Unit 3**

Project: **Lab Decommissioning**

Samp. Description: **FS Wipes**

Matrix: **Wipes**

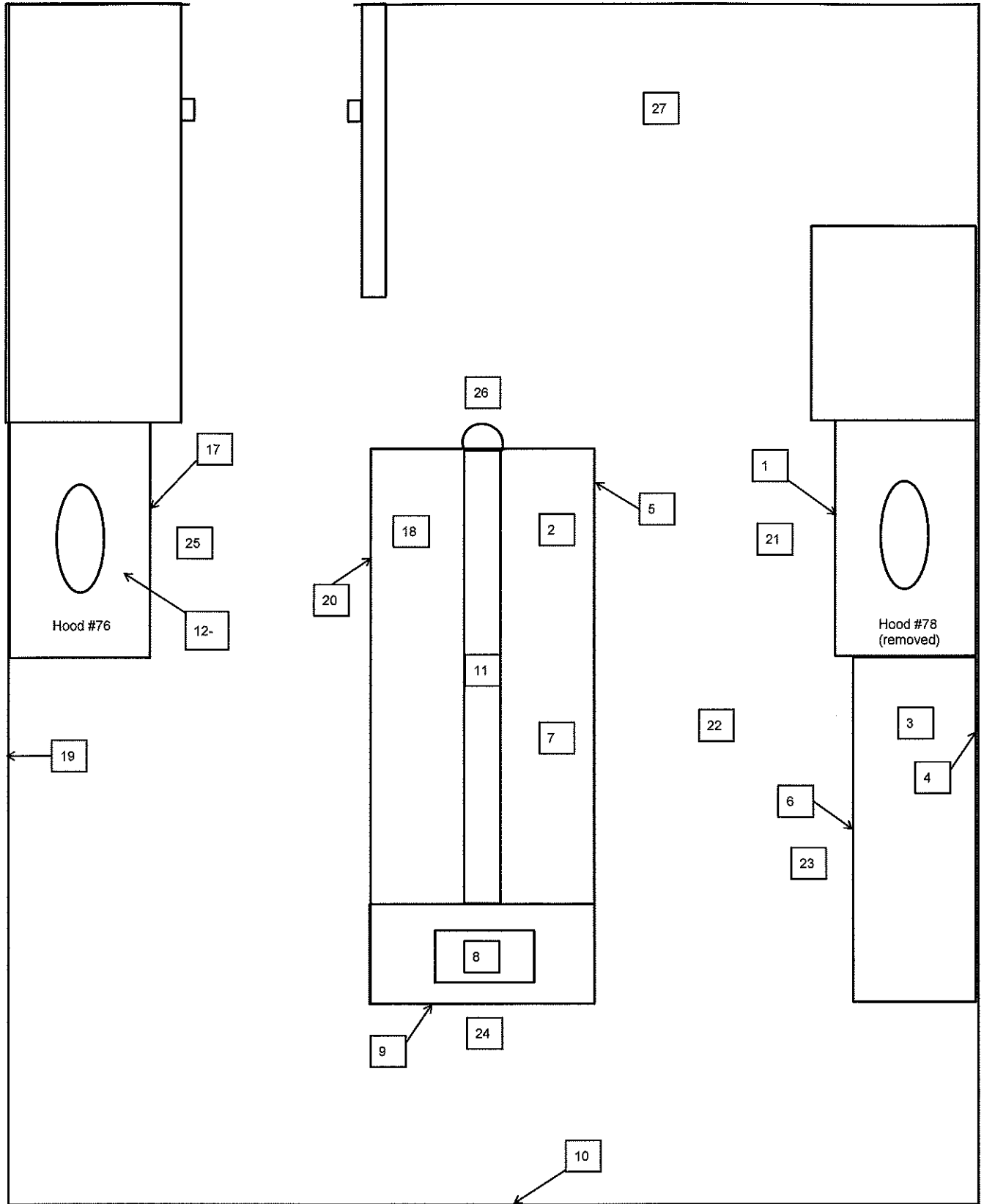
C-14 LLD dpm= 39.41

RSA ID#	CUST. ID#	Location	C-14 CPM	Beta dpm/100 cm sq
	BG	BACKGROUND	33.30	
1		Room 1201 Hood 76 Counter	20.50	22.40
2		Room 1201 Hood 76 Back	13.50	14.60
3		Room 1201 Hood 76 Right Side	11.30	12.30
4		Room 1201 Shelf	9.70	10.50
5		Room 1201 Wall	8.10	8.80
6		Room 1201 Wall	13.90	15.10
7		Room 1201 FS Gridpoint 1	0.80	0.90
8		Room 1201 FS Gridpoint 9	13.30	14.40
9		Room 1202 Hood A Counter	12.50	13.60
10		Room 1202 Hood A Back	8.00	8.70
11		Room 1202 Hood A Left Side	18.10	19.60
12		Room 1202 Hood C Counter	0.00	0.00
13		Room 1202 Hood C Back	17.50	19.10
14		Room 1202 Hood C Right Side	9.30	10.10
15		Room 1202 Counter	16.10	17.70
16		Room 1202 FS Wall	10.90	11.90
17		Room 1202 Floor	13.30	14.50
18		Room 1202 FS Gridpoint 3	0.00	0.00
19		Room 1202 FS Gridpoint 10	26.80	29.10
20		Room 1202 FS Gridpoint 11	11.80	12.80
21		Room 1203 Hood 68 Counter	9.00	9.80
22		Room 1203 Hood 68 Back	18.80	20.40
23		Room 1203 Hood 68 Right Side	15.90	17.30
C-14		QC C-14	112201.00	124820.40
24		Room 1203 Hood 65 Counter	13.10	14.30
25		Room 1203 Hood 65 Back	23.40	25.50
26		Room 1203 Hood 65 Top	0.00	0.00
27		Room 1203 Countertop	13.20	14.30
28		Room 1203 Shelf	13.10	14.30
29		Room 1203 Shelf (Bottom)	0.00	0.00
30		Room 1203 FS Gridpoint 4	10.30	11.20
31		Room 1203 FS Gridpoint 12	14.80	16.10
32		Room 1203 FS Gridpoint 13	11.80	12.80
33		Room 1204 Hood Counter	8.90	9.70
34		Room 1204 Hood Counter	12.00	13.00

**RSA Laboratories
A Division of Radiation Safety Associates
Radiochemistry Analysis Data Sheet**

Page 2 of 2

RSA ID#	CUST. ID#	LOCATION	C-14 cpm	Beta dpm/ 100 cm sq
35		Room 1204 Shelf	18.60	20.20
36		Room 1204 Shelf	9.70	10.50
37		Room 1204 Wall	12.50	13.50
38		Room 1204 Wall	14.30	15.50
39		Room 1204 Countertop	14.70	16.00
40		Room 1204 FS Gridpoint 6	11.30	12.30
41		Room 1204 FS Gridpoint 14	11.10	12.10
42		Room 1205 Shelf	19.60	21.40
43		Room 1205 Shelf	10.10	11.00
44		Room 1205 Countertop	8.90	9.70
45		Room 1205 Hood Countertop	4.70	5.10
46		Room 1205 Floor	0.00	0.00
BL		QC Blank	12.50	13.60
47		Room 1205 Gridpoint 7	11.60	12.60
48		Room 1205 Gridpoint 8	11.90	13.00
49		Room 1205 Gridpoint 15	24.00	26.10
50		Room 1205 Gridpoint 16	25.80	28.10
51		Room 1201 Cabinet Under Hood	9.20	10.00
52		Room 1201 Drawer	10.70	11.60
53		Room 1202 Drawer	25.30	27.60
54		Room 1202 Cabinet Under Hood	10.00	11.00
56		Room 1203 Drawer	7.00	7.60
57		Room 1203 Drawer	12.20	13.30
58		Room 1204 Drawer	25.70	28.10
59		Room 1204 Drawer	1.10	1.20
60		Room 1205 Drawer 117	0.00	0.00
61		Room 1205 Drawer 100	0.90	1.00



Room 1201 FSS Direct Measurement Locations

**Survey Unit 3 Final Status Survey
Rooms 1201-1205**

Attachment I I

**Chemtura Corporation, Middlebury, CT
Direct Measurements -- Room 1201**

Date: 4/29/2011

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%):

7.2

Background (5 min. count):

2730

Beta cpm:

546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Gross Beta dpm/100 cm sq
1	hood #78 - cabinet	876	438	-1500
2	counter opp. hood #78	1058	529	-236
3	counter adj. hood #78	1068	534	-167
4	wall adj. hood #78	1054	527	-264
5	drawer opp. hood #78, 1st row, top drawer	1114	557	153
6	drawer adj. hood #78, 4/5 row, 3rd drawer	1134	567	292
7	counter opp. laminer hood (gone)	1052	526	-278
8	sink	1106	553	97
9	sink cabinet	1129	564.5	257
10	radiator opp. sink	1028	514	-444
11	counter shelf - center	960	480	-917
12	hood #76 - base	1095	547.5	21
13	hood #76 - left wall	1071	535.5	-146
14	hood #76 - right wall	1065	532.5	-188
15	hood #76 - back wall	1126	563	236
16	hood #76 - ceiling	1040	520	-361
17	hood #76 - cabinet	1048	524	-306
18	counter opp. hood #76	1088	544	-28
19	wall adj. hood #76	970	485	-847
20	drawer opp. hood #76, 2nd row, 2nd drawer	1102	551	69

Meter #2: Ludlum 2224-1 s/n 129459 w/43-37 s/n 103776

MDA: 309 dpm/100 cm²

C-14 efficiency (%):

4.7

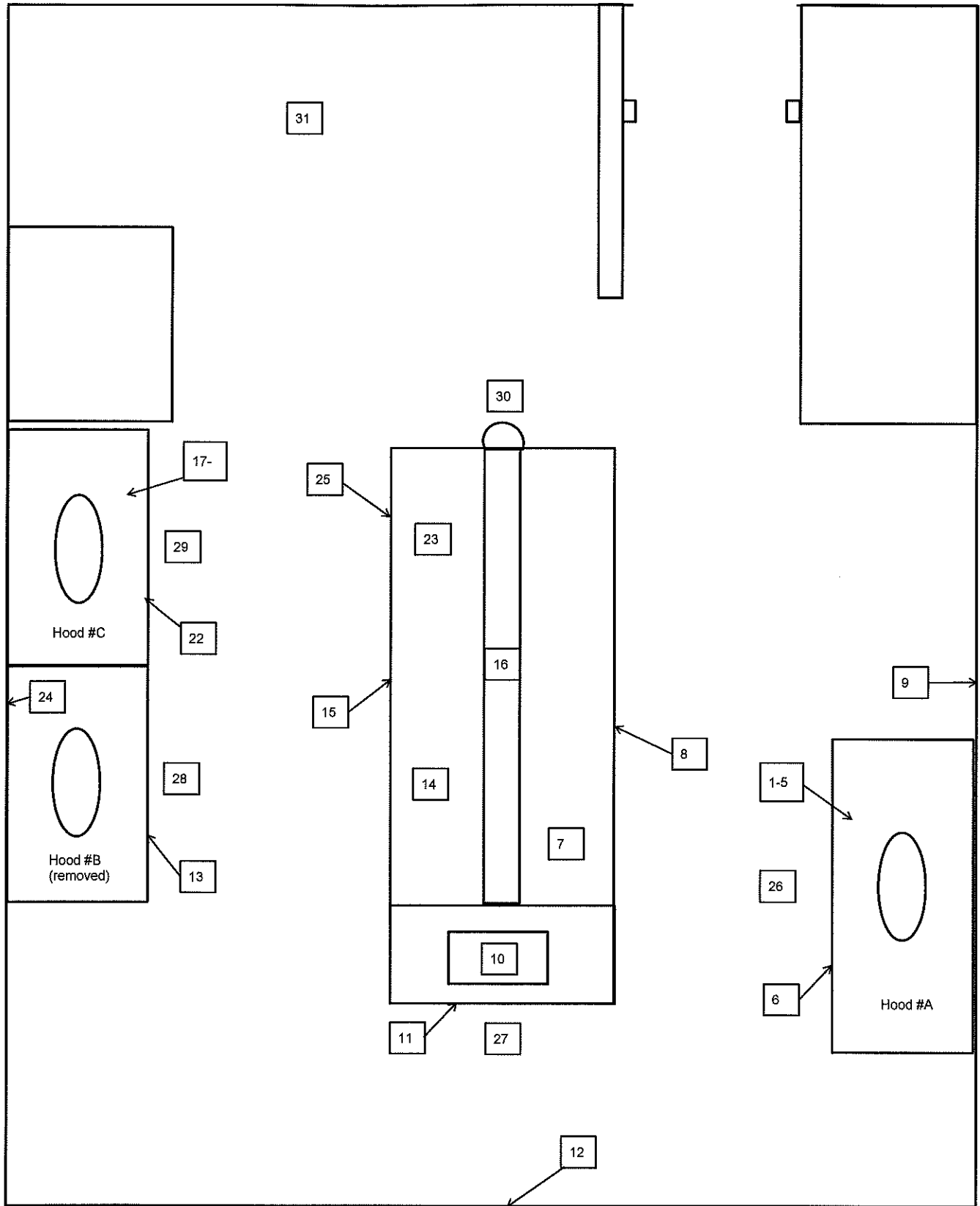
Background (5 min. count):

2450

Beta cpm:

490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Gross Beta dpm/100 cm sq
21	floor - hood #78	896	448	-210
22	floor - center aisle	871	435.5	-273
23	floor - laminer hood (gone)	839	419.5	-353
24	floor - sink	821	410.5	-398
25	floor - hood #76	772	386	-521
26	floor - eyewash	925	462.5	-138
27	floor - desk area	980	490	0



Room 1202 FSS Direct Measurement Locations

**Survey Unit 3 Final Status Survey
Rooms 1201-1205**

Attachment I I

Chemtura Corporation, Middlebury, CT

Direct Measurements -- Room 1202

Date: 4/29/2011

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%):

7.2

Background (5 min. count):

2730

Beta cpm:

546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm/100 cm sq
1	hood A - base	1072	536	-139
2	hood A - left wall	1088	544	-28
3	hood A - right wall	1064	532	-194
4	hood A - back wall	1072	536	-139
5	hood A - ceiling	1104	552	83
6	hood A - cabinet	1040	520	-361
7	counter opp. hood A	1040	520	-361
8	drawer opp. hood A, 4th row, top drawer	1066	533	-181
9	wall adj. hood A	1056	528	-250
10	sink	1148	574	389
11	sink cabinet	1034	517	-403
12	radiator opp. sink	991	495.5	-701
13	hood B cabinet	1084	542	-56
14	counter opp. hood B	1054	527	-264
15	drawer opp. hood B, 8th row, 2nd drawer	1064	532	-194
16	counter shelf - center	1072	536	-139
17	hood C - base	1006	503	-597
18	hood C - left wall	1094	547	14
19	hood C - right wall	1202	601	764
20	hood C - back wall	1132	566	278
21	hood C - ceiling	1022	511	-486
22	hood C - cabinet	1069	534.5	-160
23	counter opp. hood C	1100	550	56
24	wall adj. hood C	1048	524	-306
25	drawer opp. hood C, 2nd row, 2nd drawer	1040	520	-361

Meter #2: Ludlum 2224 s/n 119815 w/43-37 s/n 160827

MDA: 309 dpm/100 cm²

C-14 efficiency (%):

4.7

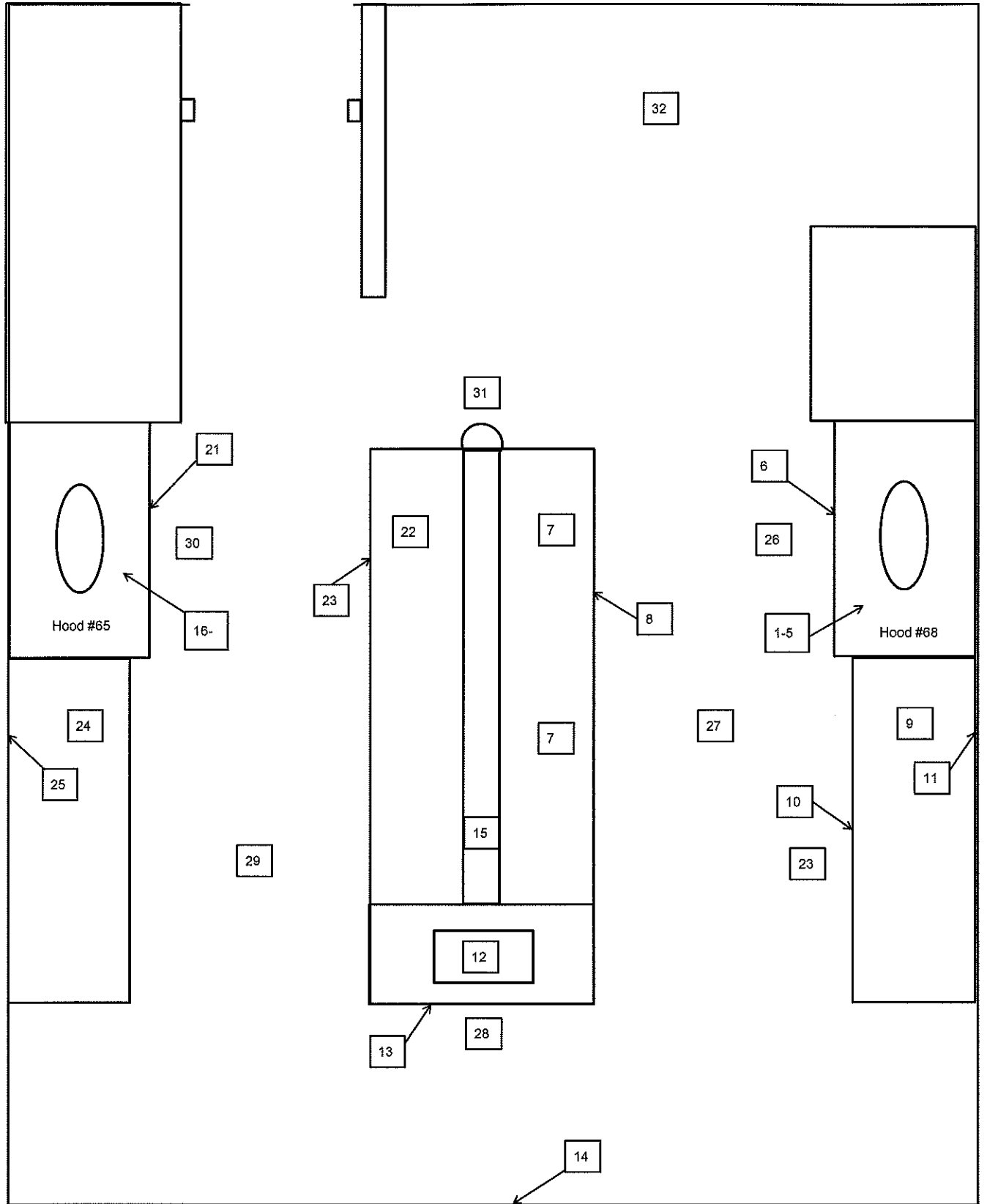
Background (5 min. count):

2450

Beta cpm:

490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
26	floor - hood A	782	391	-496
27	floor - sink	862	431	-295
28	floor - hood B (gone)	845	422.5	-338
29	floor - hood C	878	439	-255
30	floor - eyewash	942	471	-95
31	floor - desk area	1191	595.5	528



Room 1203 FSS Direct Measurement Locations

**Survey Unit 3 Final Status Survey
Rooms 1201-1205**

Attachment I I

Chemtura Corporation, Middlebury, CT

Direct Measurements -- Room 1203

Date: 4/29/2011

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%):

7.2

Background (5 min. count):

2730

Beta cpm:

546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm/100 cm sq
1	hood #68 - base	1070	535	-153
2	hood #68 - left wall	1039	519.5	-368
3	hood #68 - right wall	1065	532.5	-188
4	hood #68 - back wall	1230	615	958
5	hood #68 - ceiling	1135	567.5	299
6	hood #68 - cabinet	1015	507.5	-535
7	counter opp. hood #68	1030	515	-431
8	drawer opp. hood #68, 4th row, 2nd drawer	1056	528	-250
9	counter adj. hood #68	981	490.5	-771
10	drawer adj. hood #68, 5th row, top drawer	1106	553	97
11	wall adj. hood #68	1014	507	-542
12	sink	1115	557.5	160
13	sink cabinet	1123	561.5	215
14	radiator opp. sink	1046	523	-319
15	counter shelf - right	1063	531.5	-201
16	hood #65 - base	1216	608	861
17	hood #65 - left wall	1266	633	1208
18	hood #65 - right wall	1154	577	431
19	hood #65 - back wall	1430	715	2347
20	hood #65 - ceiling	1178	589	597
21	hood #65 - cabinet	1142	571	347
22	counter opp. hood #65	1016	508	-528
23	drawer opp. hood #65, 2nd row, 2nd drawer	1148	574	389
24	counter adj. hood #65	1077	538.5	-104
25	wall adj. hood #65	1098	549	42

Meter #2: Ludlum 2224 s/n 119815 w/43-37 s/n 160827

MDA: 309 dpm/100 cm²

C-14 efficiency (%):

4.7

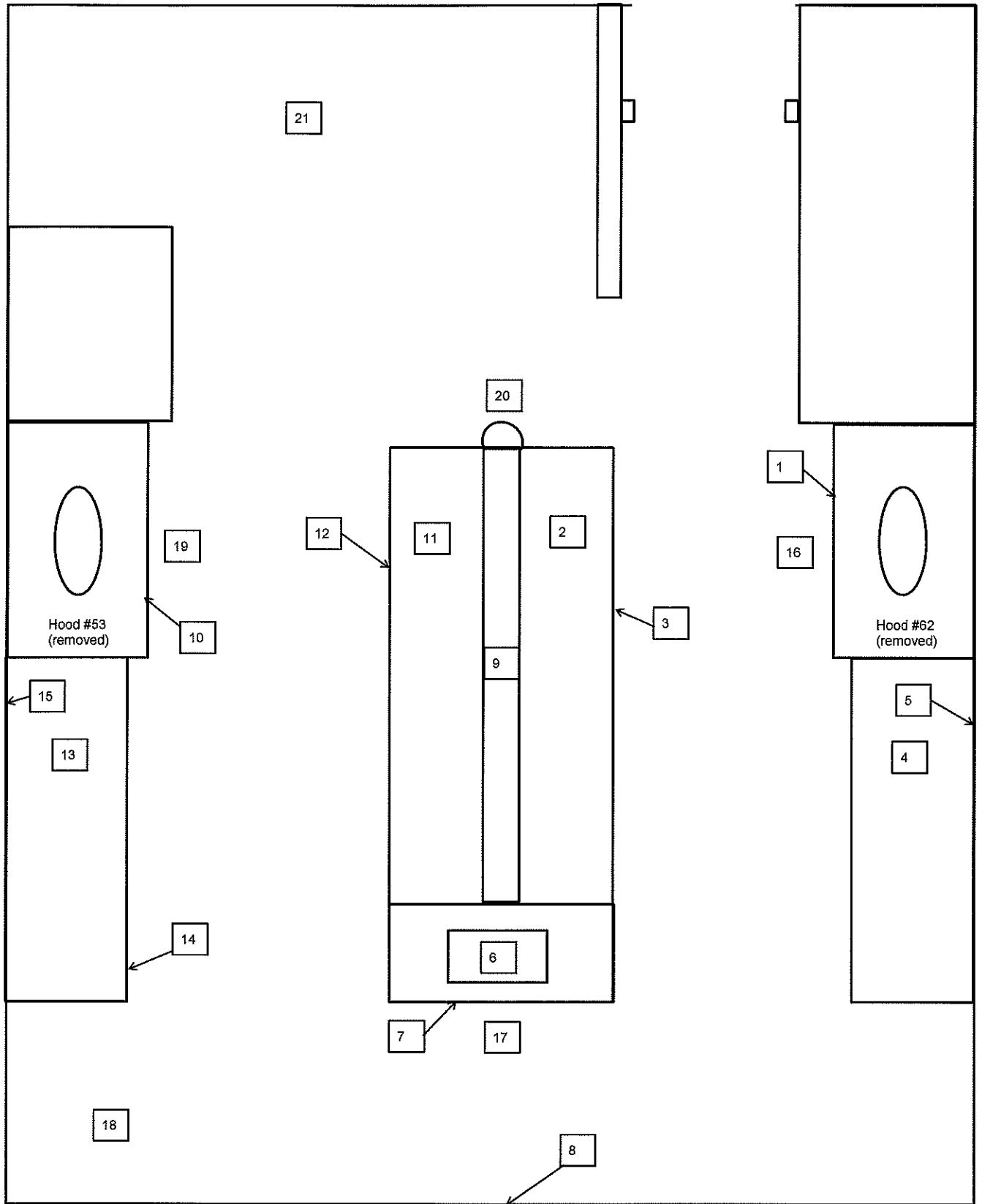
Background (5 min. count):

2450

Beta cpm:

490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm
26	floor - hood #68	826	413	-385
27	floor - center aisle	1078	539	245
28	floor - sink	970	485	-25
29	floor - center aisle	982	491	5
30	floor - hood #65	980	490	0
31	floor - eyewash	1033	516.5	133
32	floor - desk	1031	515.5	428



Room 1204 FSS Direct Measurement Locations

**Survey Unit 3 Final Status Survey
Rooms 1201-1205**

Attachment I I

Chemtura Corporation, Middlebury, CT

Direct Measurements -- Room 1204

Date: 4/29/2011

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%):

7.2

Background (5 min. count):

2730

Beta cpm:

546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm/100 cm sq
1	hood #62 - cabinet	1004	502	-611
2	counter opp. hood #62	1028	514	-444
3	drawer opp. hood #62, 4th row, 2nd drawer	1062	531	-208
4	counter adj. hood #62	1028	514	-444
5	wall adj. hood #62	1078	539	-97
6	sink	1182	591	625
7	sink cabinet	1130	565	264
8	radiator opp. sink	1018	509	-514
9	counter shelf - center	1028	514	-444
10	hood #53 - cabinet	1166	583	514
11	counter opp. hood #53	1034	517	-403
12	drawer opp. hood #53, 2nd row, 3rd drawer	1138	569	319
13	counter adj. hood #53	1046	523	-319
14	drawer adj. hood #53, 1st row, top drawer	1062	531	-208
15	wall adj. hood #53	1272	636	1250

Meter #2: Ludlum 2224 s/n 119815 w/43-37 s/n 160827

MDA: 309 dpm/100 cm²

C-14 efficiency (%):

4.7

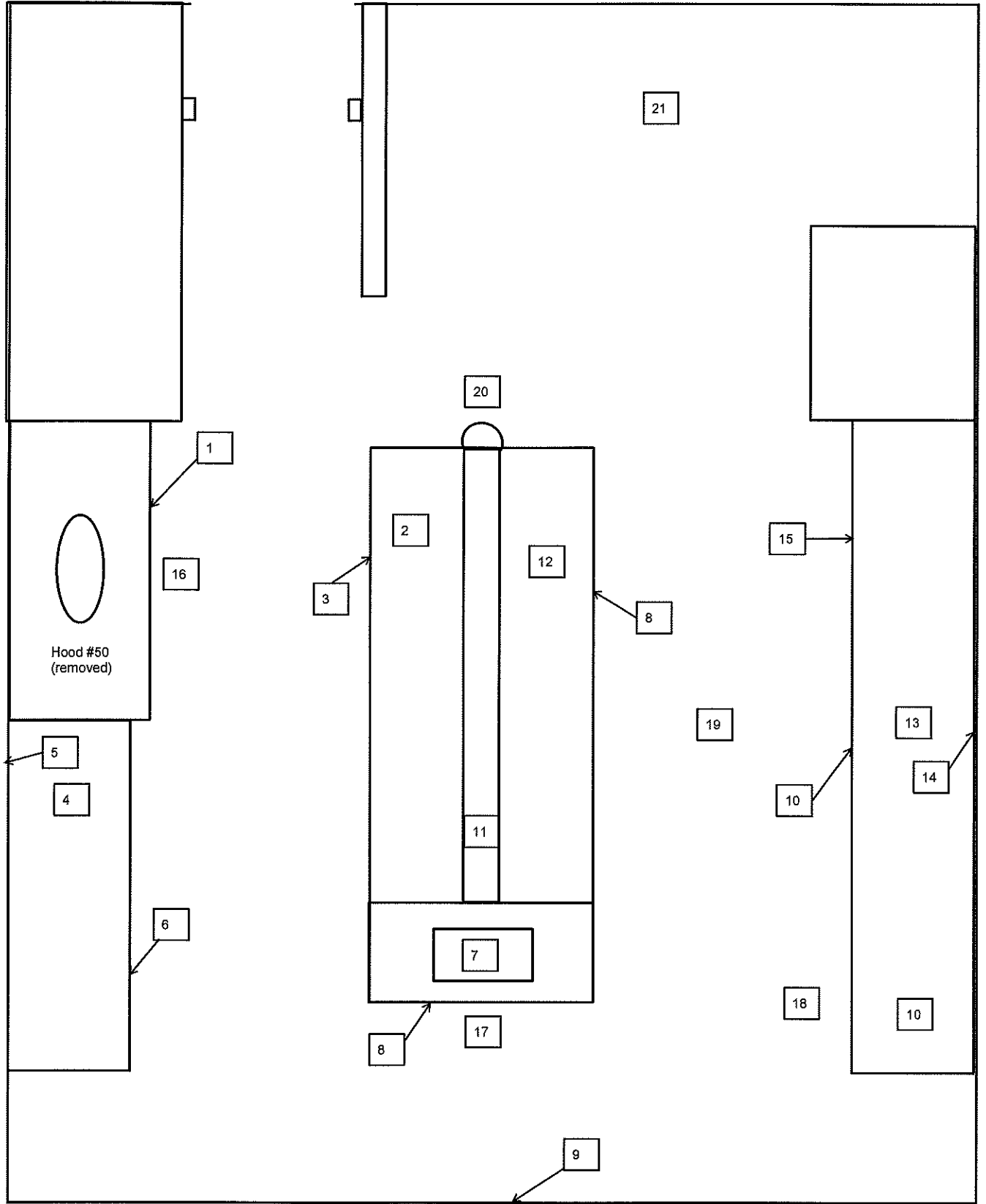
Background (5 min. count):

2450

Beta cpm:

490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm/100 cm sq
16	floor - hood #62	1049	524.5	173
17	floor - sink	932	466	-120
18	floor - non-hood vent	827	413.5	-383
19	floor - hood #53	1266	633	716
20	floor - eyewash	1027	513.5	118
21	floor - desk area	1093	546.5	283



Room 1205 FSS Direct Measurement Locations

**Survey Unit 3 Final Status Survey
Rooms 1201-1205**

Attachment I I

Chemtura Corporation, Middlebury, CT

Direct Measurements -- Room 1205

Date: 4/29/2011

Meter #1: Ludlum 2224-1 s/n 129459 w/43-68 s/n 111315

MDA: 914 dpm/100 cm²

C-14 efficiency (%):

7.2

Background (5 min. count):

2730

Beta cpm:

546

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm/100 cm sq
1	hood #50 - cabinet	1112	556	139
2	counter opp. hood #50	1186	593	653
3	drawer #70 opp. hood #50	1190	595	681
4	counter adj. hood #50	1090	545	-14
5	wall adj. hood #50	1058	529	-236
6	drawer #114, adj. to sink	1084	542	-56
7	sink	1140	570	333
8	sink cabinet	1108	554	111
9	radiator opp. sink	1062	531	-208
10	rad waste counter	1094	547	14
11	counter shelf - left	1116	558	167
12	counter - right	1142	571	347
13	wall counter - center	1036	518	-389
14	wall counter - wall	988	494	-722
15	drawer #15	1046	523	-319

Meter #2: Ludlum 2224 s/n 119815 w/43-37 s/n 160827

MDA: 309 dpm/100 cm²

C-14 efficiency (%):

4.7

Background (5 min. count):

2450

Beta cpm:

490

#	Location	Gross Beta (2 min. count)	Gross Beta cpm	Beta dpm/100 cm sq
16	floor - hood #50	1734	867	1887
17	floor - sink	938	469	-105
18	floor - rad waste drum (gone)	1298	649	796
19	floor - center aisle	1069	534.5	223
20	floor - eyewash	1247	623.5	668
21	floor - desk area	1171	585.5	478