

Sent: Wednesday, October 01, 2014 2:35 PM

To: Alana Lee

Subject: NASA Ames Phase II VI Sampling Location Maps and Associated Sampling Table

Dear Alana,

NASA is pleased to submit documentation detailing the proposed NASA Ames Phase II Vapor Intrusion air sample collection task. Sampling will be conducted as per the EPA approved Haley & Aldrich SITE-WIDE VAPOR INTRUSION SAMPLING AND ANALYSIS WORK PLAN FOR RESPONSE ACTION TIERING MIDDLEFIELD-ELLIS-WHISMAN SUPERFUND AREA, MOUNTAIN VIEW, CALIFORNIA AND MOFFETT FIELD, September, 2011 and the Haley & Aldrich September 2013 Building Specific Vapor Intrusion Sampling and Analysis Work Plan.

This round of indoor air sample collections will provide data to be used in conjunction with previous results and other lines of evidence in evaluating response action tiers for each building located over the Regional groundwater plume within the NASA area of responsibility for vapor intrusion pursuant to the U.S. Environmental Protection Agency's 2010 Record of Decision (ROD) and the tiering system as defined in the ROD Amendment Tables 6A, 6B, and 7 (EPA, 2010).

EPA has reviewed and concurs with the attached building sampling locations and schedule. As per discussions with EPA, sample collections will occur in the colder months which normally occur in the January/February timeframe. This will allow comparison of indoor air VOC concentrations during both the warm and colder times of year. Since sampling locations and schedule have been discussed and approved prior with the EPA, we will assume the sampling plan is approved and we will commence sampling in the time frame indicated above, unless we hear otherwise.

Should you have questions or need additional information, please contact me at 650-604-1767.

Sincerely,
Lili

EPA approval - NASA Ames Phase II VI Sampling Location Maps and Associated Sampling Table
Lee, Alana [lee.alana@epa.gov]

Sent: Tuesday, November 25, 2014 8:22 AM

Dear Lili,

The U.S. Environmental Protection Agency (EPA) has reviewed and approves of the Phase 2 air sampling provided in the sampling location maps and tables transmitted in the email below. Please keep EPA updated of the sampling schedule planned for the January/February 2015 timeframe during the colder months of the year.

Thank you for continuing to work so closely with EPA.

Sincerely,

Alana Lee
EPA Project Manager
Superfund Division
415.972.3141
Lee.Alana@epa.gov

	A	B	C	D	E	F	G	H
1	Building No.	Building Usage	Sample No.	Sample Type	HVAC Status		No. of Samples	Notes
2					ON	OFF		
3			N144-C103-01-ON	24-Hour	X		1	Hallway by Room 107
4			N144-C103-01-OFF	12-Hour		X	1	Hallway by Room 107
5			N144-107-01-ON	24-Hour	X		1	Room 107
6			N144-107-01-OFF	12-Hour		X	1	Room 107
7			N144-141-01-ON	24-Hour	X		1	Room 141
8			N144-141-01-OND	24-Hour	X		1	Room 141 ON-Dup
9			N144-141-01-OFF	12-Hour		X	1	Room 141
10			N144-142-01-ON	24-Hour	X		1	Room 142
11			N144-142-01-OFF	12-Hour		X	1	
12			N144-142W-01-OFF	12-Hour		X	1	Warehouse Sample
13			N144-151-01-ON	24-Hour	X		1	Room 151
14			N144-151-01-OFF	12-Hour		X	1	
15			N144-171-01-ON	24-Hour	X		1	Room 171
16			N144-171-01-OFF	12-Hour		X	1	
17	N211	Flight Support Facility	N211-103-01-ON	24-Hour	X		1	Room 103
18			N211-103-01-OFF	12-Hour		X	1	
19			N211-119-02-ON	24-Hour	X		1	Room 119
20			N211-119-02-OFF	12-Hour		X	1	
21			N211-1-04-P-OFF	Grab		X	1	1 st Floor Elevator vault
22			N211-136-03-ON	24-Hour	X		1	Room 136
23			N211-136-03-OFF	12-Hour		X	1	
24			N211-179-05ON	24-Hour	X		1	Room 179
25			N211-179-05-OFF	12-Hour		X	1	
26	N212	Model Development	N212-101A-01-ON	24-Hour	X		1	Room 101A
27			N211-101A-01-OFF	12-Hour		X	1	
28			N211-104-01-ON	24-Hour	X		1	Room 104
29			N211-104-01-OND	24-Hour	X		1	Room 104 ON-Dup
30			N212-104-01-OFF	12-Hour		X	1	Room 104
31			N212-104-01-OFFD	12-Hour		X	1	Room 104 OFF-Dup
32	N213	Research Support	N213-B-01-ON	24-Hour	X		1	Basement Room 025
33			N213-B-01-OND	24-Hour	X		1	B-Room 025 ON-Dup
34			N213-B-01-OFF	12-Hour		X	1	Basement Room 025
35			N213-B-02-ON	24-Hour	X		1	Basement Room 004
36			N213-B-02-OFF	12-Hour		X	1	
37			N213-B-03-ON	24-Hour	X		1	Basement Room C004
38			N213-B-03-OFF	12-Hour		X	1	
39			N213-B-04-P-OFF	Grab		X	1	Basement Elevator vault
40			N213-B-05-P-OFF	Grab		X	1	Basement Room N002
41			N213-B-06-P-OFF	Grab		X	1	Basement Room N042
42			N213-B-07-P-OFF	Grab		X	1	Basement Elevator vault
43			N213-1-01-ON	24-Hour	X		1	1 st Floor Room 104F
44			N213-1-01-OFF	12-Hour		X	1	
45	N213	Research Support	N213-1-02-ON	24-Hour	X		1	1 st Floor Room 104
46			N213-1-02-OFF	12-Hour		X	1	
47			N213-1-03-ON	24-Hour	X		1	1 st Floor Room 103
48			N213-1-03-OFF	12-Hour		X	1	
49			N213-1-04-ON	24-Hour	X		1	1 st Floor outside of

	A	B	C	D	E	F	G	H
1	Building No.	Building Usage	Sample No.	Sample Type	HVAC Status		No. of Samples	Notes
2					ON	OFF		
50			N213-1-04-OFF	12-Hour		X	1	Room 132
51			N213-1-04-OFFD	12-Hour		X	1	Room 132 OFF-Dup
52			N213-1-05-ON	24-Hour	X		1	1 st Floor outside of
53			N213-1-05-OFF	12-Hour		X	1	Room 146

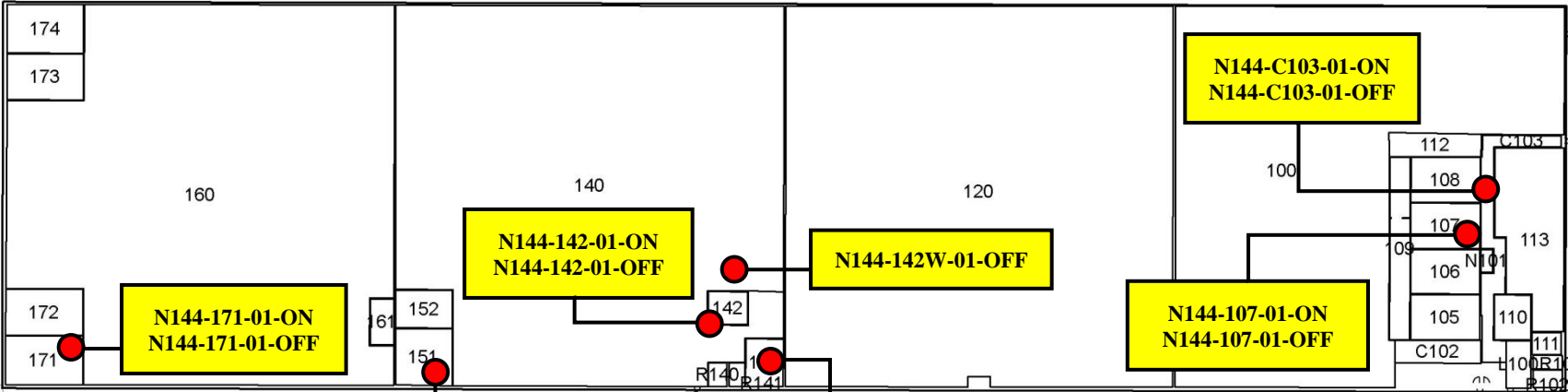
	A	B	C	D	E	F	G	H
1	Building No.	Building Usage	Sample No.	Sample Type	HVAC Status		No. of Samples	Notes
2					ON	OFF		
54	N240	Airborne Missions & Life Science Experiments	N240-1-01-ON	24-Hour	X		1	1 st Floor Hallway C101 area.
55			N240-1-01-OFF	12-Hour		X	1	
56			N240-1-02-ON	24-Hour	X		1	1 st Floor Room 115A
57			N240-1-02-OFF	12-Hour	na	na	na	
58			N240-1-03-ON	24-Hour	X		1	1 st Floor Room 144
59			N240-1-03-OFF	12-Hour		X	1	
60			N240-1-04-P-OFF	Grab	X		1	1st Floor Elevator vault
61	N245	Space Science Research	N245-1-01-ON	24-Hour	X		1	1 st Floor Room 147
62			N245-1-01-OFF	12-Hour		X	1	
63	T20-G	Space Sciences & Environmental	T20G-1-01-ON	24-Hour	X		1	Room C101
64			T20G-1-01-OFF	12-Hour		X	1	
65			T20G-1-02-ON	24-Hour	X		1	Room C106
66			T20G-1-02-OFF	12-Hour		X	1	
67	N258	Numeric Aerodynamic Simulation Facility	N258-1-01-ON	24-Hour	X		1	Outdoor Background
68			N258-1-01-OFF	12-Hour		X	1	Outdoor Background

Building: N144
Floor: 1

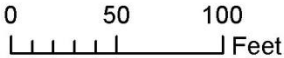



H Lane

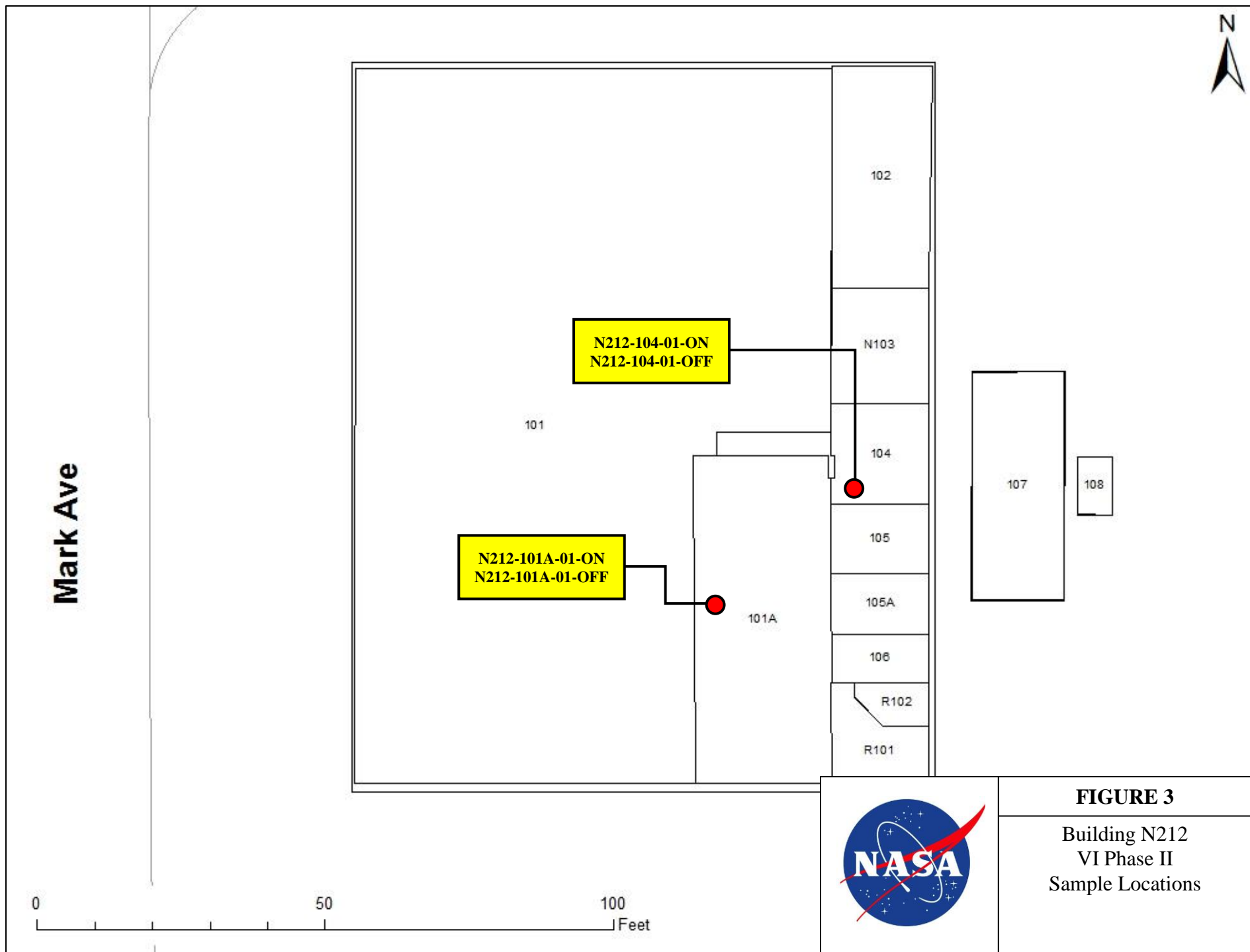
Hall Rd

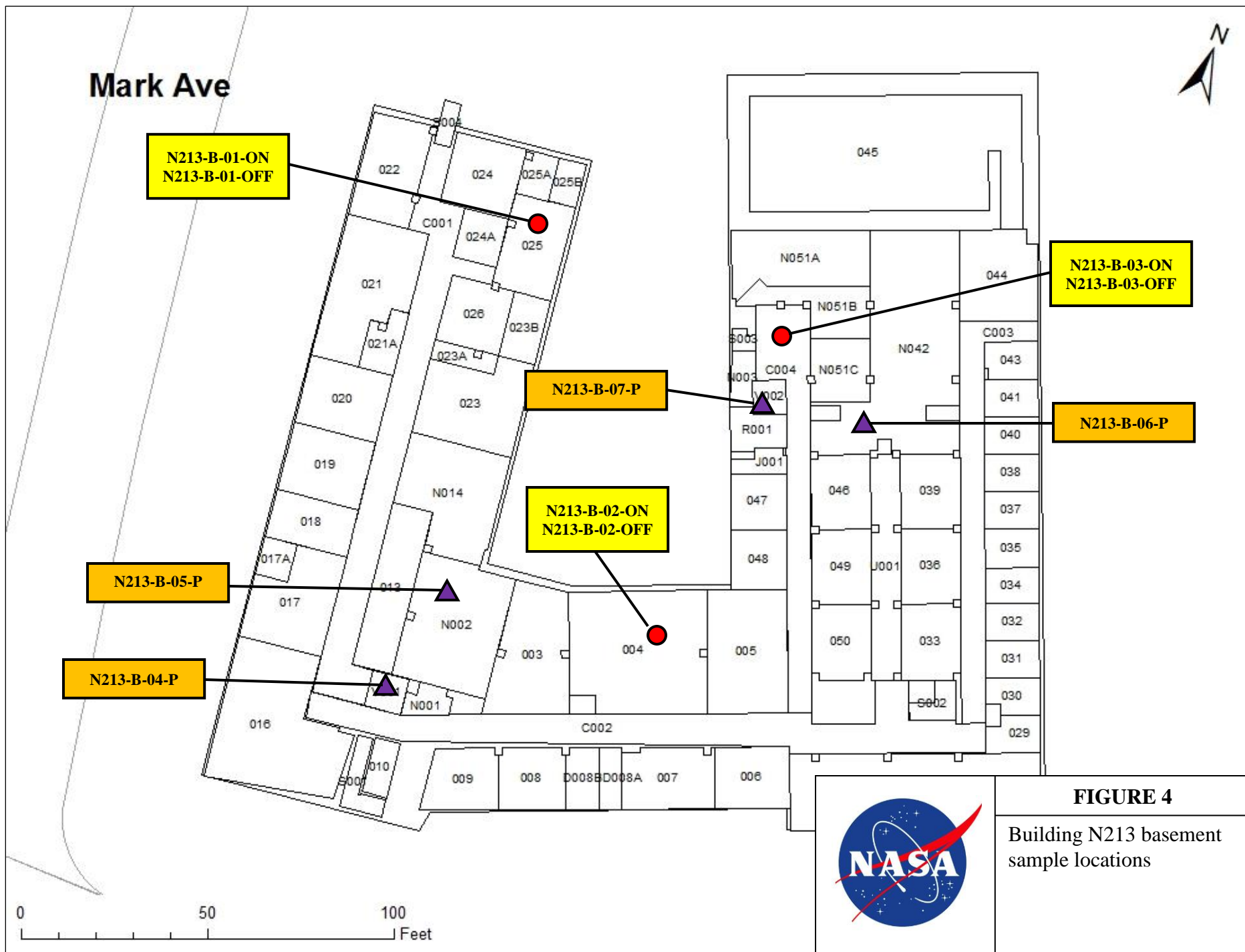


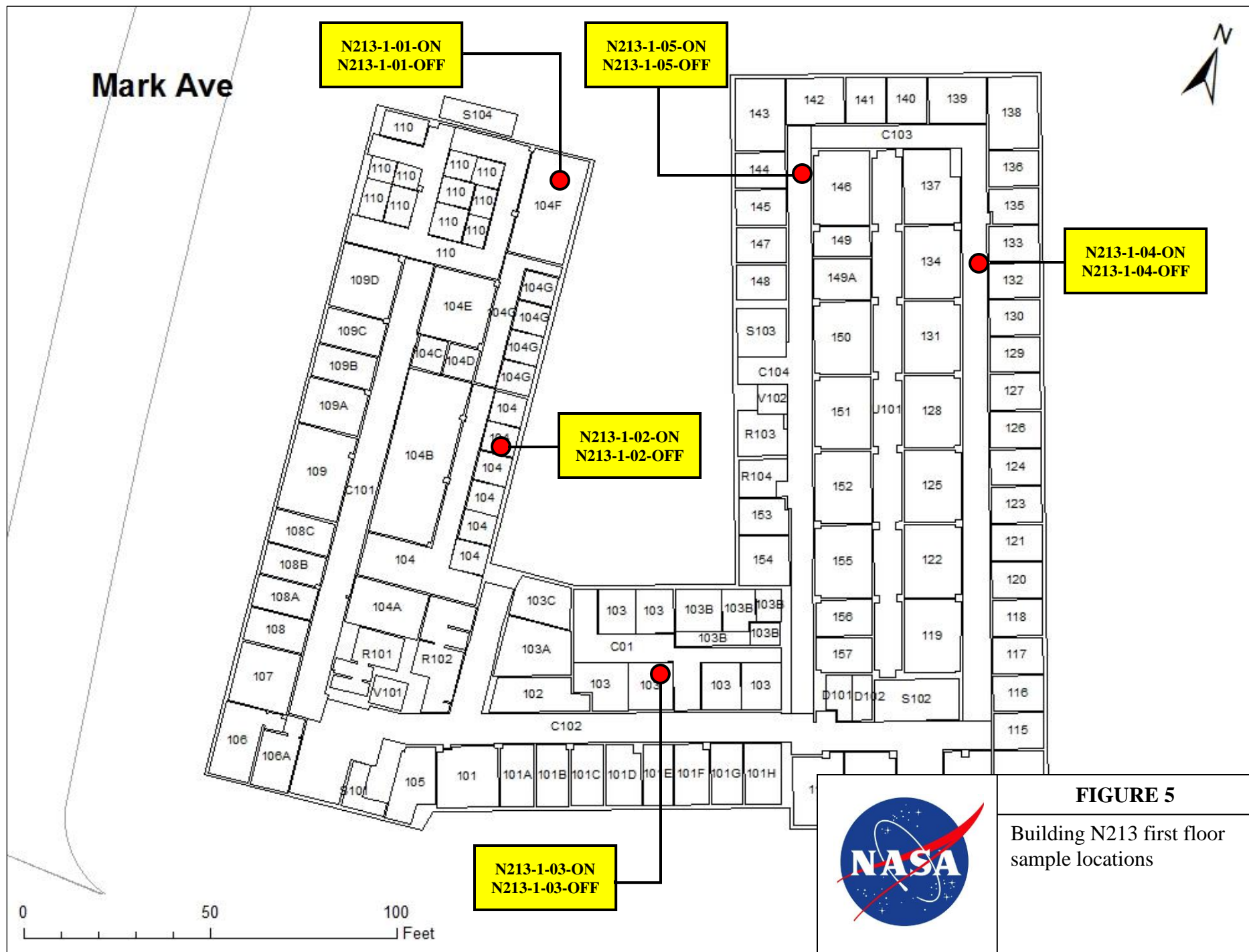
Walcott Ave



	FIGURE 1
	Building N144 VI Phase II Sample Locations







Boyd Rd

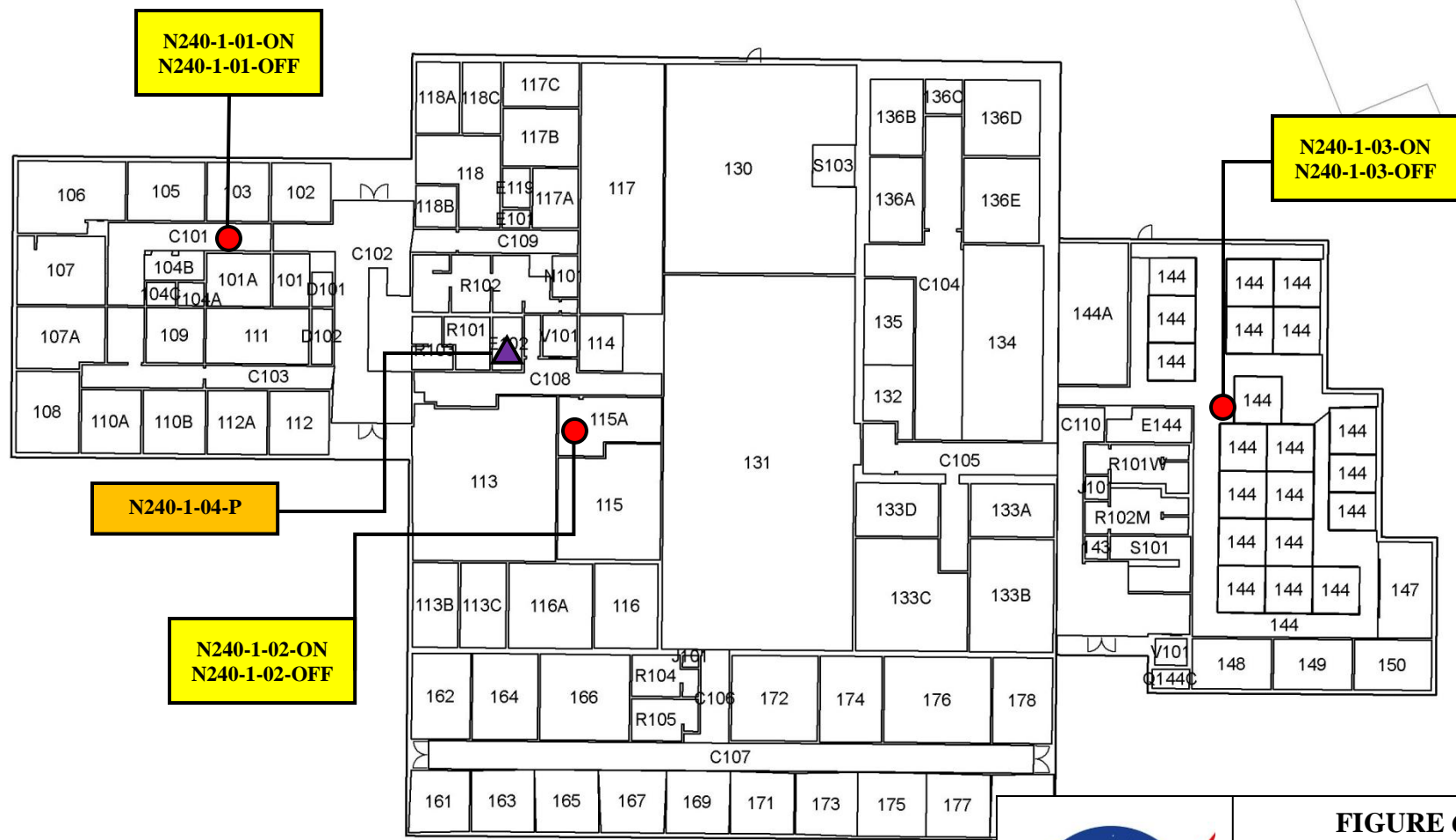


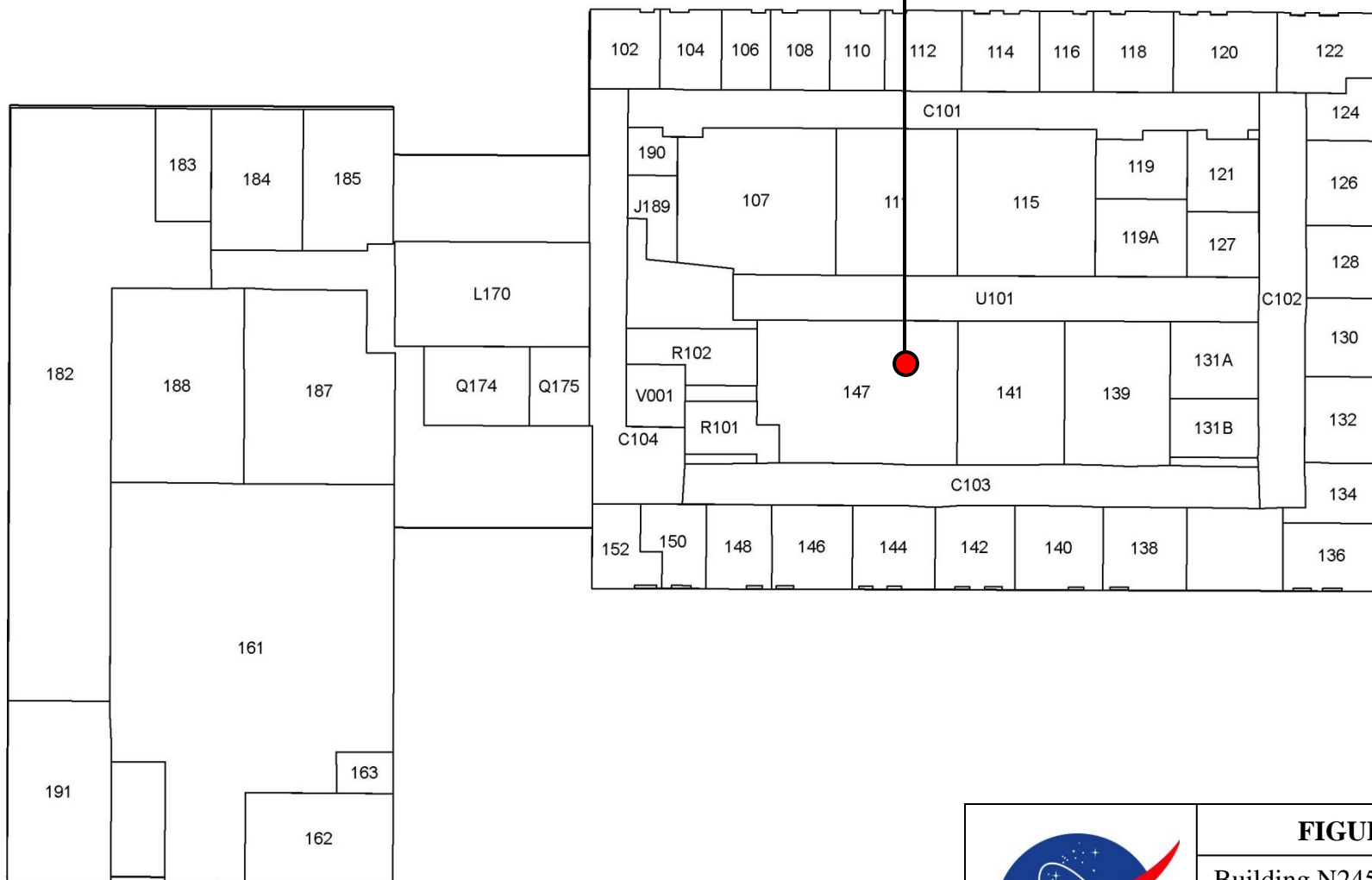
FIGURE 6

Building N240 sample locations



Pollack Rd

N245-1-01-ON
N245-1-01-OFF



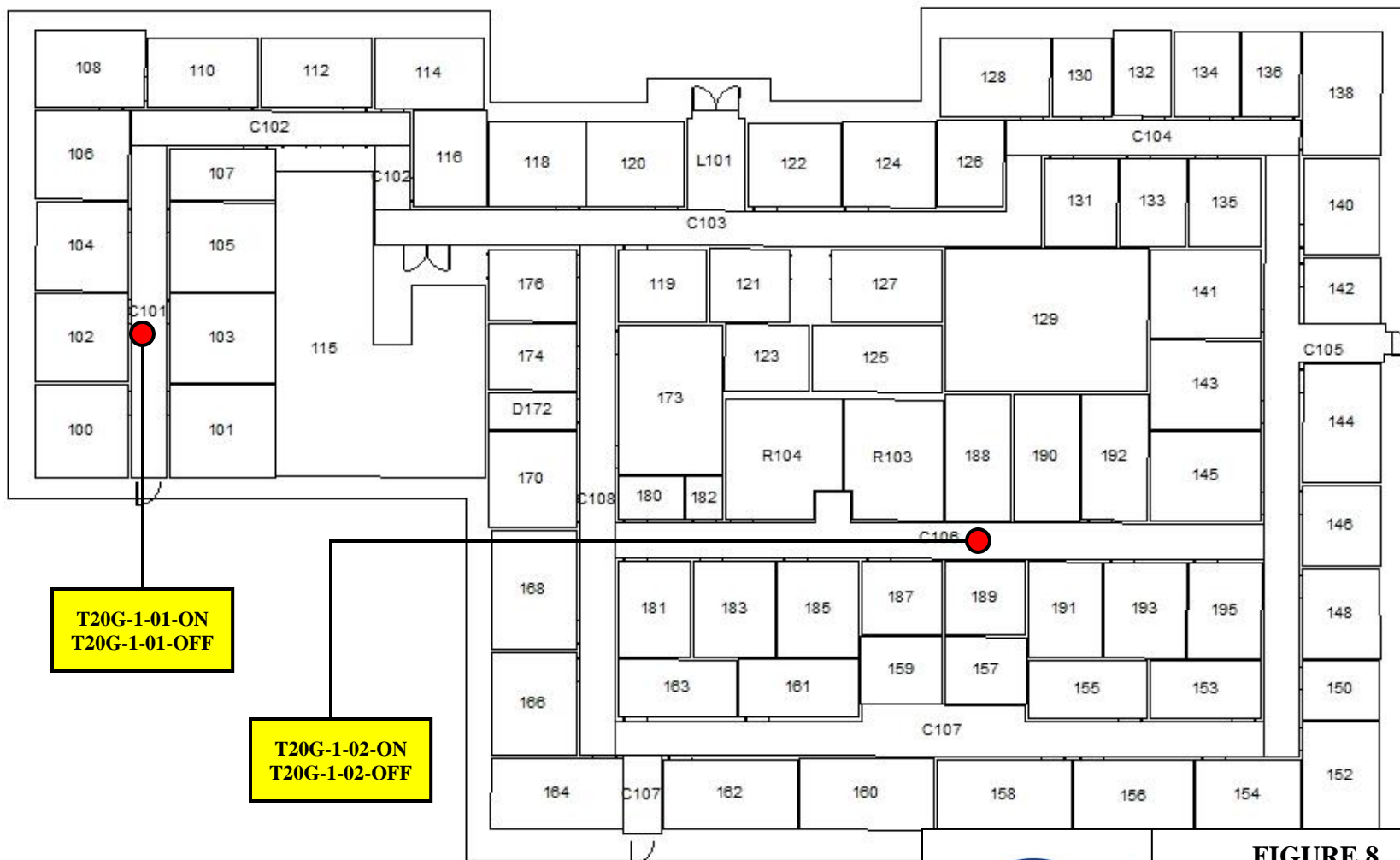
0 40 80 Feet



FIGURE 7

Building N245 sample locations.

Building: T20-G Floor: 1



**T20G-1-01-ON
T20G-1-01-OFF**

**T20G-1-02-ON
T20G-1-02-OFF**

0 25 50 Feet



FIGURE 8

Building T20-G sampling locations.