

CALIFORNIA STATE UNIVERSITY MARITIME
ACADEMY **CLASSROOM BUILDING**
HAZARDOUS MATERIALS SURVEY SUMMARY



Sampled for **asbestos** and **detected**
Sampled for **lead** and **detected**

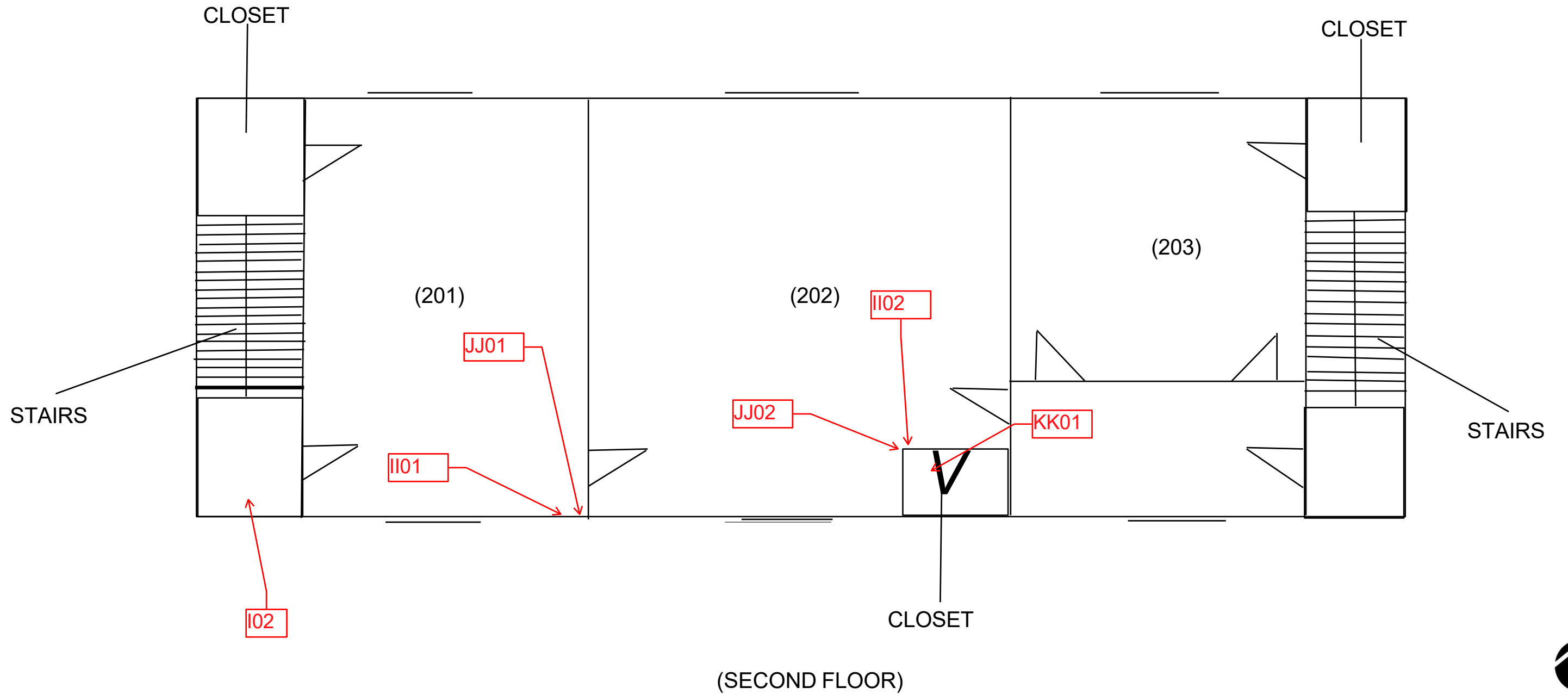
This is a quick reference summary of a survey completed by Vista Environmental in August 2021. The complete report is available by contacting EH&S at safety@csum.edu. If unsure about ANY information contact EH&S prior to impacting suspect material.

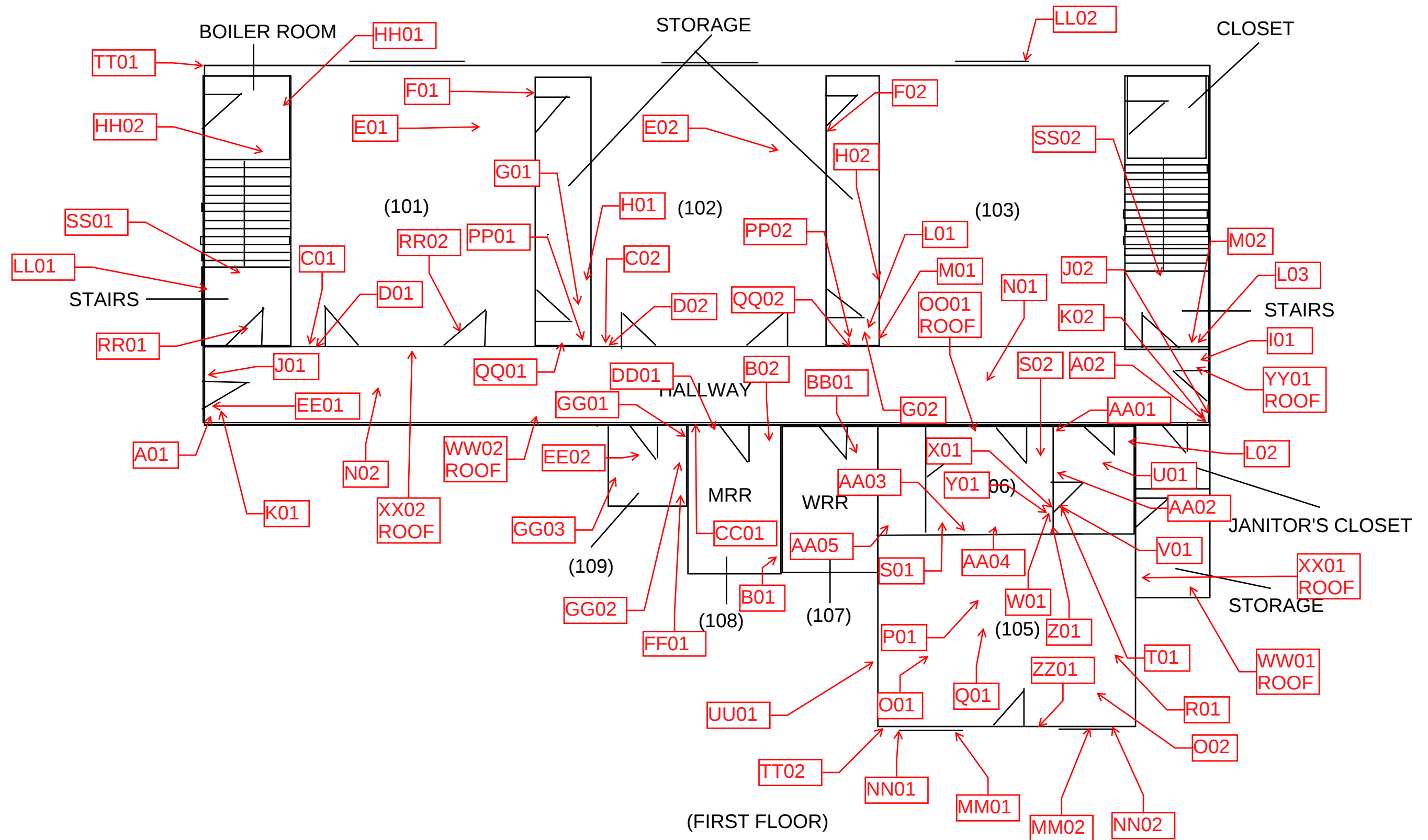
Positive Asbestos locations

HOMO ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	BAAQMD CATEGORY
L	Thermal System Insulation	4" O.D., White, Pipe	Classroom 101 Closet, Classroom 102 Closet, Hallway, Custodian Closet, Room 106 and Storage, Stairwells	Class I	Friable (RACM when Removed)
M	Thermal System Insulation	4" O.D., White, Fitting	Classroom 101 Closet, Classroom 102 Closet, Hallway, Custodian Closet, Room 106 and Storage, Stairwells	Class I	Friable (RACM when Removed)
MM	Putty	White, Windows	Exterior, Classroom 105 and Room 106.	Class II	Category II- Non-Friable
NN	Sealant	Tan, Aluminum Windows	Exterior, Classroom 105 and Room 106.	Class II	Category I - Non-Friable
UU	Sealant	White, Wall Seam	Exterior Southwest of Classroom 105 at New Mechanical Room	Class II	Category I- Non-Friable
VV	Mastic	Unknown, Dry Erase Board	Classrooms 201 and 202. Assumed because sampling would cause damage to item.	Class II	Category I - Non-Friable
A3	Roofing	Unknown	Upper Roof. Assumed because it could not be reached with an extension ladder.	Class II	Category I - Non-Friable

The results of the bulk samples collected for asbestos, and analyzed by PLM, indicate that detectable concentrations of asbestos **are not present** in the following materials:

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Paint/Concrete	White/Gray, Walls	2
B	Wallboard/Joint Compound	White/White, No Texture Coat	2
C	Vinyl Sheet Flooring/Mastic	Beige & Brown/Beige, Classrooms	2
D	Basecove/Mastic	4" Gray/Beige	2
E	Acoustic Ceiling Panel	2' x 4' White, Solid	2
F	Paint/Concrete Masonry Unit/Mortar	White/Gray/Gray	2
G	Acoustic Ceiling Tile/Mastic	12" White, Fiberglass/Brown	2
H	Firestop	Red, Pipe	2
I	Acoustic Ceiling Tile/Mastic	12" White, Fissured/Brown	2
J	Vinyl Sheet Flooring/Mastic	Beige & Brown/Beige, Hallway	2
K	Basecove/Mastic	4" Brown/Beige	2
N	Acoustic Ceiling Tile/Mastic	12" White, Pinhole/Brown	2





Positive XRF Lead LocationsAugust 3, 2021
Project No. 211228004

ROOM	COMPONENT	SUBSTRATE	COLOR	CONDITION	Pb	UNITS
Inside	Door Frame	Concrete	Beige	Intact	0.07	mg/cm ²
Inside	Door Frame	Metal	Beige	Intact	0.02	mg/cm ²
Inside	Radiator	Metal	Black	Intact	0.08	mg/cm ²
Inside	Wall	Concrete	Beige	Intact	0.01	mg/cm ²
Inside	Pipe Covering	Metal	Black	Intact	0.11	mg/cm ²
Inside	Wall	Concrete	Beige	Intact	0.01	mg/cm ²
Inside	Sink	Ceramic	White	Intact	0.08	mg/cm ²
Inside	Toilet	Ceramic	White	Intact	0.01	mg/cm ²
Inside	Hand Rail	Metal	Black	Intact	0.24	mg/cm ²
Inside	Pipe Covering	Metal	White	Intact	0.7	mg/cm ²
Inside	Door Frame	Metal	Beige	Intact	0.25	mg/cm ²
Inside	Cabinet	Wood	Green, Light	Intact	0.1	mg/cm ²
Inside	Pipe	Metal	White	Intact	0.07	mg/cm ²
Inside	Conduit	Metal	White	Intact	0.17	mg/cm ²
Inside	Wall	Concrete	White	Intact	0.9	mg/cm ²
Inside	Wall	Concrete	White	Intact	0.7	mg/cm ²
Inside	Window Sill	Concrete	White	Intact	0.07	mg/cm ²
Inside	Door Frame	Metal	Beige	Intact	0.3	mg/cm ²
Inside	Door	Wood	Beige	Intact	0.16	mg/cm ²
Inside	Radiator	Metal	White	Intact	0.09	mg/cm ²
Inside	Wall	Concrete	White	Intact	0.22	mg/cm ²
Inside	Window Sill	Concrete	White	Intact	0.12	mg/cm ²
Inside	Wall	Concrete	White	Intact	0.12	mg/cm ²
Inside	Door	Metal	Beige	Intact	0.01	mg/cm ²
Inside	Wall	Concrete	White	Intact	0.5	mg/cm ²
Inside	Door	Wood	Beige	Intact	0.4	mg/cm ²
Inside	Door Frame	Metal	Beige	Intact	0.5	mg/cm ²
Inside	Hand Rail	Metal	Black	Intact	0.18	mg/cm ²
Outside	Wall	Concrete	Beige	Intact	0.01	mg/cm ²
Outside	Window Sill	Metal	Tan	Intact	0.01	mg/cm ²
Outside	Downspout	Metal	Beige	Deteriorated	0.01	mg/cm ²
Outside	Gutter	Metal	Tan	Intact	0.02	mg/cm ²
Outside	Window Sill	Concrete	Beige	Intact	0.06	mg/cm ²
Inside	Wall Panel	Concrete	Brown	Intact	0.11	mg/cm ²

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ROOM	COMPONENT	SUBSTRATE	COLOR	CONDITION	Pb	UNITS
Inside	Wall	Concrete	Beige	Intact	0.18	mg/cm ²
Inside	Window Sill	Concrete	Beige	Intact	0.02	mg/cm ²
Inside	Door Frame	Concrete	Beige	Intact	0.07	mg/cm ²
Inside	Door Frame	Metal	Beige	Intact	0.02	mg/cm ²
Inside	Radiator	Metal	Black	Intact	0.08	mg/cm ²
Inside	Wall	Concrete	Beige	Intact	0.01	mg/cm ²
Inside	Pipe Covering	Metal	Black	Intact	0.11	mg/cm ²
Inside	Wall	Concrete	Beige	Intact	0.01	mg/cm ²
Inside	Sink	Ceramic	White	Intact	0.08	mg/cm ²
Inside	Toilet	Ceramic	White	Intact	0.01	mg/cm ²
Inside	Hand Rail	Metal	Black	Intact	0.24	mg/cm ²
Inside	Pipe Covering	Metal	White	Intact	0.7	mg/cm ²
Inside	Door Frame	Metal	Beige	Intact	0.25	mg/cm ²
Inside	Cabinet	Wood	Green, Light	Intact	0.1	mg/cm ²
Inside	Sink	Ceramic	White	Intact	7.9	mg/cm²
Inside	Pipe	Metal	White	Intact	0.07	mg/cm ²
Inside	Conduit	Metal	White	Intact	0.17	mg/cm ²
Inside	Wall	Concrete	White	Intact	1.5	mg/cm²
Inside	Wall	Concrete	White	Intact	0.9	mg/cm ²
Inside	Wall	Concrete	White	Intact	0.7	mg/cm ²
Inside	Window Sill	Concrete	White	Intact	0.07	mg/cm ²
Inside	Door Frame	Metal	Beige	Intact	0.3	mg/cm ²
Inside	Door	Wood	Beige	Intact	0.16	mg/cm ²
Inside	Radiator	Metal	White	Intact	0.09	mg/cm ²
Inside	Wall	Concrete	White	Intact	0.22	mg/cm ²
Inside	Window Sill	Concrete	White	Intact	0.12	mg/cm ²
Inside	Wall	Concrete	White	Intact	0.12	mg/cm ²
Inside	Door	Metal	Beige	Intact	0.01	mg/cm ²

Positive XRF Lead Locations

ROOM	COMPONENT	SUBSTRATE	COLOR	CONDITION	Pb	UNITS
Inside	Wall	Concrete	White	Intact	0.5	mg/cm ²
Inside	Door	Wood	Beige	Intact	0.4	mg/cm ²
Inside	Door Frame	Metal	Beige	Intact	0.5	mg/cm ²
Inside	Hand Rail	Metal	Black	Intact	0.18	mg/cm ²
Outside	Wall	Concrete	Beige	Intact	0.01	mg/cm ²
Outside	Window Sill	Metal	Tan	Intact	0.01	mg/cm ²
Outside	Downspout	Metal	Beige	Deteriorated	0.01	mg/cm ²
Outside	Gutter	Metal	Tan	Intact	0.02	mg/cm ²
Outside	Window Sill	Concrete	Beige	Intact	0.06	mg/cm ²
Inside	Wall Panel	Concrete	Brown	Intact	0.11	mg/cm ²

Bold = Lead Based

XRF Lead Tested Locations

READING NO.	BUILDING	ROOM	FLOOR	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	PbC	UNITS
1				SHUTTER_CAL					1.63	cps
2				CALIBRATE				Positive	1	mg/cm ²
3				CALIBRATE				Positive	1	mg/cm ²
5				CALIBRATE				Positive	1.2	mg/cm ²
6	CLASSROOM BLDG	INSIDE	1	WALL	CONCRETE	BEIGE	INTACT	Negative	0	mg/cm ²
7	CLASSROOM BLDG	INSIDE	1	WALL	CONCRETE	BEIGE	INTACT	Negative	-0.02	mg/cm ²
8	CLASSROOM BLDG	INSIDE	1	WALL	CONCRETE	BEIGE	INTACT	Negative	0.18	mg/cm ²
9	CLASSROOM BLDG	INSIDE	1	RADIATOR	METAL	BEIGE	INTACT	Negative	-0.38	mg/cm ²
10	CLASSROOM BLDG	INSIDE	1	WINDOW SILL	CONCRETE	BEIGE	INTACT	Negative	0.02	mg/cm ²
11	CLASSROOM BLDG	INSIDE	1	DOOR FRAME	CONCRETE	BEIGE	INTACT	Negative	0.07	mg/cm ²
12	CLASSROOM BLDG	INSIDE	1	DOOR	CONCRETE	BEIGE	INTACT	Negative	0	mg/cm ²
13	CLASSROOM BLDG	INSIDE	1	CEILING	DRYWALL	BEIGE	INTACT	Negative	0	mg/cm ²
14	CLASSROOM BLDG	INSIDE	1	WALL	DRYWALL	WHITE	INTACT	Negative	0	mg/cm ²
16	CLASSROOM BLDG	INSIDE	1	DOOR FRAME	METAL	BEIGE	INTACT	Negative	0.02	mg/cm ²
17	CLASSROOM BLDG	INSIDE	1	DOOR	WOOD	BEIGE	INTACT	Negative	0	mg/cm ²
18	CLASSROOM BLDG	INSIDE	1	RADIATOR	METAL	BLACK	INTACT	Negative	0.08	mg/cm ²
19	CLASSROOM BLDG	INSIDE	1	WALL	CONCRETE	BEIGE	INTACT	Negative	0.01	mg/cm ²
20	CLASSROOM BLDG	INSIDE	1	PIPE COVERING	METAL	BLACK	INTACT	Negative	0.11	mg/cm ²
21	CLASSROOM BLDG	INSIDE	1	WALL	CONCRETE	BEIGE	INTACT	Negative	0.01	mg/cm ²
22	CLASSROOM BLDG	INSIDE	1	WALL	CERAMIC	GRAY	INTACT	Negative	0	mg/cm ²
23	CLASSROOM BLDG	INSIDE	1	URINAL	CERAMIC	WHITE	INTACT	Negative	0	mg/cm ²
24	CLASSROOM BLDG	INSIDE	1	SINK	CERAMIC	WHITE	INTACT	Negative	0.08	mg/cm ²
25	CLASSROOM BLDG	INSIDE	1	TOILET	CERAMIC	WHITE	INTACT	Negative	0.01	mg/cm ²
26	CLASSROOM BLDG	INSIDE	1	FLOOR	CERAMIC	GRAY	INTACT	Negative	0	mg/cm ²
27	CLASSROOM BLDG	INSIDE	1	FLOOR	CONCRETE	BLACK	INTACT	Negative	0	mg/cm ²

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

READING NO.	BUILDING	ROOM	FLOOR	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	PbC	UNITS
28	CLASSROOM BLDG	INSIDE	1	TREAD	CONCRETE	BLACK	INTACT	Negative	0	mg/cm ²
29	CLASSROOM BLDG	INSIDE	1	STAIRS	CONCRETE	BLACK	INTACT	Negative	0	mg/cm ²
30	CLASSROOM BLDG	INSIDE	1	HAND RAIL	METAL	BLACK	INTACT	Negative	0.24	mg/cm ²
31	CLASSROOM BLDG	INSIDE	1	PIPE COVERING	METAL	WHITE	INTACT	Negative	0.7	mg/cm ²
32	CLASSROOM BLDG	INSIDE	1	DOOR FRAME	METAL	BEIGE	INTACT	Negative	0.25	mg/cm ²
33	CLASSROOM BLDG	INSIDE	1	DOOR	WOOD	BEIGE	INTACT	Negative	0	mg/cm ²
34	CLASSROOM BLDG	INSIDE	1	FLOOR	CONCRETE	GREEN, LIGHT	DETERIORATED	Negative	0	mg/cm ²
35	CLASSROOM BLDG	INSIDE	1	CABINET	WOOD	GREEN, LIGHT	INTACT	Negative	0.1	mg/cm ²
36	CLASSROOM BLDG	INSIDE	1	SINK	CERAMIC	WHITE	INTACT	Positive	7.9	mg/cm ²
37	CLASSROOM BLDG	INSIDE	1	PIPE	METAL	WHITE	INTACT	Negative	0.07	mg/cm ²
38	CLASSROOM BLDG	INSIDE	1	CONDUIT	METAL	WHITE	INTACT	Negative	0.17	mg/cm ²
39	CLASSROOM BLDG	INSIDE	1	WALL	CONCRETE	WHITE	INTACT	Positive	1.5	mg/cm ²
40	CLASSROOM BLDG	INSIDE	2	WALL	CONCRETE	WHITE	INTACT	Negative	0.9	mg/cm ²
41	CLASSROOM BLDG	INSIDE	2	WALL	CONCRETE	WHITE	INTACT	Negative	0.7	mg/cm ²
43	CLASSROOM BLDG	INSIDE	2	WINDOW SILL	CONCRETE	WHITE	INTACT	Negative	0.07	mg/cm ²
44	CLASSROOM BLDG	INSIDE	2	WALL	CONCRETE	WHITE	INTACT	Negative	0	mg/cm ²
45	CLASSROOM BLDG	INSIDE	2	DOOR FRAME	METAL	BEIGE	INTACT	Negative	0.3	mg/cm ²
46	CLASSROOM BLDG	INSIDE	2	DOOR	WOOD	BEIGE	INTACT	Negative	0.16	mg/cm ²
47	CLASSROOM BLDG	INSIDE	2	FLOOR	CERAMIC	BEIGE	INTACT	Negative	0	mg/cm ²
48	CLASSROOM BLDG	INSIDE	2	RADIATOR	METAL	WHITE	INTACT	Negative	0.09	mg/cm ²
49	CLASSROOM BLDG	INSIDE	2	WALL	CONCRETE	WHITE	INTACT	Negative	0.22	mg/cm ²
50	CLASSROOM BLDG	INSIDE	2	WINDOW SILL	CONCRETE	WHITE	INTACT	Negative	0.12	mg/cm ²
51	CLASSROOM BLDG	INSIDE	2	WALL	CONCRETE	WHITE	INTACT	Negative	0.12	mg/cm ²
52	CLASSROOM BLDG	INSIDE	2	DOOR	METAL	BEIGE	INTACT	Negative	0.01	mg/cm ²
53	CLASSROOM BLDG	INSIDE	2	DOOR FRAME	WOOD	BEIGE	INTACT	Negative	0	mg/cm ²

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READING NO.	BUILDING	ROOM	FLOOR	COMPONENT	SUBSTRATE	COLOR	CONDITION	RESULTS	PbC	UNITS
54	CLASSROOM BLDG	INSIDE	2	WALL	DRYWALL	WHITE	INTACT	Negative	0	mg/cm ²
55	CLASSROOM BLDG	INSIDE	2	WALL	CONCRETE	WHITE	INTACT	Negative	0.5	mg/cm ²
56	CLASSROOM BLDG	INSIDE	2	DOOR	WOOD	BEIGE	INTACT	Negative	0.4	mg/cm ²
57	CLASSROOM BLDG	INSIDE	2	DOOR FRAME	METAL	BEIGE	INTACT	Negative	0.5	mg/cm ²
58	CLASSROOM BLDG	INSIDE	2	STAIRS	CONCRETE	BLACK	INTACT	Negative	0	mg/cm ²
59	CLASSROOM BLDG	INSIDE	2	HAND RAIL	METAL	BLACK	INTACT	Negative	0.18	mg/cm ²
60	CLASSROOM BLDG	OUTSIDE	1	WALL	CONCRETE	BEIGE	INTACT	Negative	0	mg/cm ²
61	CLASSROOM BLDG	OUTSIDE	1	WALL	CONCRETE	BEIGE	INTACT	Negative	0.01	mg/cm ²
62	CLASSROOM BLDG	OUTSIDE	1	WALL	CONCRETE	BEIGE	INTACT	Negative	0	mg/cm ²
64	CLASSROOM BLDG	OUTSIDE	1	WINDOW SILL	METAL	TAN	INTACT	Negative	0.01	mg/cm ²
65	CLASSROOM BLDG	OUTSIDE	1	DOWNSPOUT	METAL	BEIGE	DETERIORATED	Negative	0.01	mg/cm ²
66	CLASSROOM BLDG	OUTSIDE	1	GUTTER	METAL	TAN	INTACT	Negative	0.02	mg/cm ²
67	CLASSROOM BLDG	OUTSIDE	1	WINDOW SILL	CONCRETE	BEIGE	INTACT	Negative	0.06	mg/cm ²
68	CLASSROOM BLDG	INSIDE	1	WALL PANEL	CONCRETE	BROWN	INTACT	Negative	0.11	mg/cm ²
69	CLASSROOM BLDG	OUTSIDE	1	WALL	CONCRETE	BEIGE	INTACT	Negative	0	mg/cm ²
70	CLASSROOM BLDG	OUTSIDE	1	WINDOW FRAME	CONCRETE	TAN	INTACT	Negative	0	mg/cm ²
71	CLASSROOM BLDG	OUTSIDE	1	FLASHING	METAL	TAN	INTACT	Negative	0	mg/cm ²
75				CALIBRATE				Positive	1	mg/cm ²
76				CALIBRATE				Positive	1	mg/cm ²
77				CALIBRATE				Positive	1	mg/cm ²

The above list are ALL the materials sampled and tested by XRF for lead. All positive materials are in red. Samples non-detected for lead materials are in black. If you cannot positively identify the material you need to impact through the above inventory, do not disturb and contact EH&S for further sampling or guidance. The materials not listed were not sampled and must be assumed lead containing until proven not by testing

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

