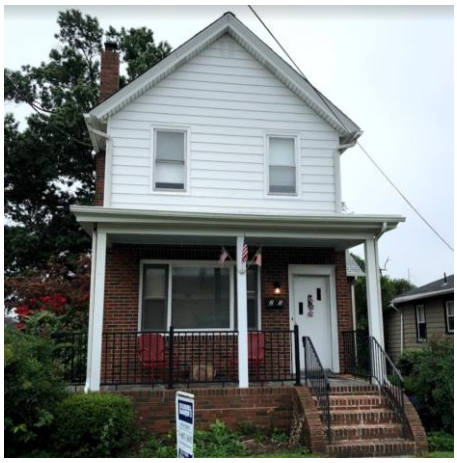
ENVIRONMENTAL
TESTING SERVICES LLC

Lead-Based Paint Inspection
and
Stabilization Plan



Property Address:
123 Main St. Cherry Hill, NJ 08002

Date of Inspection: August 11th, 2020
(Private information not on sample report)

Client/ Buyer: **Mr. Client**	
Prepared By: **Environmental Testing Services LLC.** **619 Wills Ave.** **Deptford, NJ 08096** **Phone: 866-226-2114**	**Inspector/ Risk Assessor:** **Michael Stefkovic** **License # NJ ******

August 11th, 2020

Mr. Client
123 Main St.
Cherry Hill, NJ 08002

Re: Lead-Based Paint Inspection Report for
Single Family home Located at:
123 Main St. Cherry Hill, NJ 08002

Dear Mr. Client:

Please find enclosed the lead inspection report for the single family home located at **123 Main St. Cherry Hill, NJ 08002.** The XRF survey was performed within the current acceptable industry guidelines, Housing and Urban Development (HUD) Guidelines Chapter 7 (Revised 2012) and NJ Regulations.

According to the XRF readings, it has been determined that there was deteriorated lead-based paint at concentrations at or above 1.0 mg/cm^2. Therefore, a stabilization plan as well as recommendations are included in this report.

ETS used Heuresis Pb200i X-Ray fluorescence (XRF) lead paint analyzer to sample paint for lead. XRF Instrument serial # **** was used on this job.

Licensed NJ Lead Inspector Michael Stefkovic (License # NJ ****), expiration date August 10th, 2022 performed the inspection.

If you have any questions or concerns regarding this report, please feel free to contact us at (856) 432-4468.

Sincerely,

Michael Stefkovic
Environmental Testing Services LLC.

Lead

Lead-based paint (LBP) is a concern in most homes built before 1978. In the U.S., White Lead was used extensively as a pigment in paint until the rising cost of lead in the 1960s prompted the use of alternative pigments. The growing awareness of lead poisoning resulted in the eventual ban of lead-based paint in 1978 when the U.S. Consumer Product Safety Commission (CPSC) banned the sale and distribution of residential paint containing lead. Before the decline in use and eventual ban of lead-based paint, it was considered a high quality and durable paint. It is estimated that over 80% of the homes built before 1978 contain some lead-based paint.

a. Exposure to Lead Paint in the Home

The primary concern with having lead-based paint in the home is lead poisoning from inhaling lead dust, ingesting lead dust from placing hands or other objects covered with lead dust in the mouth or even ingesting lead paint chips. Lead paint produces a white, chalky film of lead dust over time and, like all paints, will peel and chip when not maintained. *Friction on painted surfaces such as doors and windows can also produce lead dust*.

Particularly at risk are young children under the age of six years. Their innate and indiscriminate habits of putting objects in their mouths make them most susceptible to ingesting lead dust or paint chips. Their proportionally smaller body mass allows dangerously high concentrations of lead to develop more easily with minimal exposure. According to the **C**enters for **D**isease **C**ontrol, an estimated 10 percent of U.S. preschoolers suffer from high enough levels of lead in their blood to poison their systems. "No safe blood lead level in children has been identified. Lead exposure can affect nearly every system in the body. Because lead exposure often occurs with no obvious symptoms, it *frequently goes unrecognized (*CDC*)*."

Also at risk from exposure to lead-based paint are pregnant women.

According to the Environmental Protection Agency (EPA), *the routine opening and closing of windows in homes built prior to 1978 can disturb lead-based paint around the windows, causing paint dust and chips to be released into the air*. These lead particles are so potentially dangerous that the EPA now requires contractors to be trained and certified before they can perform any renovation, repair or painting projects that may have previously applied lead-based paint. Small children who crawl on the floor where lead dust has settled are especially at risk for lead poisoning. Toddlers have a tendency to put their hands to their mouths, and if they've been playing on the floor near an old, lead-painted window, they could easily transfer lead dust from hand-to-mouth. Ingested lead travels through the child's bloodstream to his developing brain, causing various types of neurobehavioral damage.

a. What is a Lead Inspection?

Lead inspections determine the presence of lead in paint and other possible lead-based and contaminated areas. This inspection, measures lead in both deteriorated and intact paint. The procedure involves taking readings from representative surfaces throughout the testing area or room. The most common primary analytical method for detecting lead in paint is X-Ray Fluorescence (XRF). The XRF instrument is used because of its demonstrated abilities to accurately determine the amount of lead that is present without disturbing the painted surfaces as well as their high speed and relatively low cost per sample.

b. How do I interpret the results?

Environmental Testing Services LLC inspectors use instruments that are operated with guidance from the Performance Characteristic Sheet published by the US Department of HUD. **The results classified as positive or negative based on 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**. Any inconclusive results should be considered positive.

Please note that lead can still be present in paint which is not classified as "lead-based." This would occur when the paint has a lower amount of lead than the federal government regulates. If lead is present in the paint, lead dust can be released when the paint deteriorates, or is disturbed during remodeling and renovation.

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Executive Summary

Environmental Testing Services LLC was authorized by the client to perform a lead-based paint (LBP) inspection of a Single family home located at **123 Main St. Cherry Hill, NJ 08002.** ETS or its authorized licensed subcontractor tested all painted and/or finished components were tested according to the specifications described in the protocols for Lead Based Paint testing in the Housing and Urban Development (HUD) Guidelines Chapter 7 (revised 2012) and any applicable Federal, State, and Local regulations. ETS's scope of services involved XRF testing as well as a surface-by-surface visual inspection of all painted surfaces throughout the entire property to determine which lead-based paint surfaces/components are deteriorated (above the de minimis level). All accessible, painted or coated building components (that potentially contain lead-based paint) were tested utilizing X-Ray Fluorescence (XRF) analysis. Wall "A" in each room is the wall where the front entrance door opening is located (or aligned with the street). Going clockwise and facing wall "A" wall "B" will always be to your right, wall "C" directly to the rear and wall "D" to the left. Doors, windows and closets are designated as left, center or right depending on their location on the wall.

ETS tested a total of **Three Hundred and Seventy (370) surfaces via XRF analysis and six (6) calibrations. One Hundred and Forty Eight (148) surfaces were found to contain lead at levels above the regulatory level of 1.0 mg/cm^2.** These surfaces are identified in Section III: G. This report represents field data, observations and findings related to the lead inspection performed in the above referenced property. The results, assessments and findings stated in this report are representative of the conditions observed in this property at the time of the inspection. Lead inspections determine the presence of lead in paint and other possible lead-based and contaminated areas. This inspection, measures lead in both deteriorated and intact paint. The procedure involves taking readings from representative surfaces throughout the testing area or room. The most common primary analytical method for detecting lead in paint is X-Ray Fluorescence (XRF). The XRF instrument is used because of its demonstrated abilities to accurately determine the amount of lead that is present without disturbing the painted surfaces as well as their high speed and relatively low cost per sample.

Scope of Inspection

A. Building Background

The property located at **123 Main St. Cherry Hill, NJ 08002.** The property is a single family home (1 unit). No written permission was required to access the property as the property was occupied at the time of the inspection.

B. Preface

ETS was authorized by the client (potential buyer) to perform lead-based paint testing of the above reference single family home to determine the possible presence, condition, location and amount of lead paint. The testing was conducted on **August 11th, 2020.**

C. Training

All inspectors utilized by ETS have EPA/State licensure and are licensed Lead Risk Assessors, or Inspectors who have passed the "HUD Visual Assessment Course". All technicians utilized by ETS have also been trained in the use, calibration and maintenance of the X-Ray Fluorescence (XRF) equipment they currently use, along with necessary principles of Radiation Safety.

D. Equipment

The instrument was purchased or serviced after July 20th, 2019. Heuresis Pb200i X-Ray fluorescence (XRF) lead paint analyzer, serial # **** was used on this job. Source material is Co-57**.**

E. Inspection Company

The inspection was performed by an inspector employed by ETS, 619 Wills Ave, Deptford, NJ 08096. Telephone number (866)-226-2114**.**

F. Methods

The calibration of the XRF X-Ray fluorescence (XRF) is done in accordance with the Performance Characteristic Sheet (PCS) for this instrument. These XRF instruments are calibrated using a calibration standard block of known lead content. Three calibration readings are taken before and after each property is tested to insure manufacturer's standards are met. If the inspection is longer than 4 hours, a set of 3 calibration readings must be taken before the 4 hours expires, and then an additional 3 calibration readings taken at the end of the inspection. If for any reason the instruments are not maintaining a consistent calibration reading within the manufacturer's standards for performance on the calibration block supplied by the manufacturer, manufacturer's recommendations are used to bring the instrument into calibration. If the instrument cannot be brought back into calibration, it is taken off the site and sent back to the

manufacturer for repair and/or re-calibration.

G. Findings

123 Main St. Cherry Hill, NJ 08002

This property is single family home, so no extrapolations were required because Chapter 7 Single Family testing Rules were followed.

ETS tested a total of Three **Hundred and Seventy (370) surfaces via XRF analysis and six (6) calibrations. One Hundred and Forty Eight (148) surfaces were found to contain lead at levels above the regulatory level of 1.0 mg/cm^2.**

Reading #	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	FLOOR	OTHER	SITE	Result	Concent
9	BASEBOARD	WOOD	A	GOOD	WHITE	MASTER BED	SECOND		18	Positive	14.7
13	WINDOW CASE	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	L SIDE	18	Positive	19.1
15	WINDOW APRON	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	11.6
16	WINDOW SILL	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	1.1
17	WINDOW CASE	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	16.1
18	WINDOW SASH	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	12.7
19	WINDOW JAMB	WOOD	A	POOR	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	15.1
20	WINDOW APRON	WOOD	B	GOOD	WHITE	MASTER BED	SECOND		18	Positive	14.7
21	WINDOW APRON	WOOD	B	GOOD	WHITE	MASTER BED	SECOND		18	Positive	2.2
22	WINDOW APRON	WOOD	B	GOOD	WHITE	MASTER BED	SECOND		18	Positive	13.4
23	DOOR	WOOD	C	GOOD	WHITE	MASTER BED	SECOND		18	Positive	16.7
24	DOOR CASE	WOOD	C	GOOD	WHITE	MASTER BED	SECOND		18	Positive	15
25	DOOR JAMB	WOOD	C	GOOD	WHITE	MASTER BED	SECOND		18	Positive	18.3
26	DOOR STOP	WOOD	C	GOOD	WHITE	MASTER BED	SECOND		18	Positive	19.2
29	WINDOW CASE	WOOD	B	GOOD	WHITE	MASTER BED	SECOND	CLOSET	18	Positive	12.5
39	DOOR	WOOD	D	GOOD	WHITE	MASTER BED	SECOND	BATH	18	Positive	3.4
44	DOOR CASE	WOOD	D	GOOD	WHITE	MASTER BED	SECOND		18	Positive	16.6
45	DOOR JAMB	WOOD	D	GOOD	WHITE	MASTER BED	SECOND		18	Positive	16
46	DOOR STOP	WOOD	D	GOOD	WHITE	MASTER BED	SECOND		18	Positive	13.1
52	BASEBOARD	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	16.3
54	WINDOW APRON	WOOD	D	GOOD	WHITE	BED 2	SECOND		18	Positive	13.8
55	WINDOW SILL	WOOD	D	GOOD	WHITE	BED 2	SECOND		18	Positive	15.5
56	WINDOW CASE	WOOD	D	GOOD	WHITE	BED 2	SECOND		18	Positive	13.3
57	WINDOW APRON	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	12.9

58	WINDOW SILL	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	16.4
59	WINDOW CASE	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	11.8
60	WINDOW SASH	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	14.2
61	WINDOW JAMB	WOOD	A	POOR	WHITE	BED 2	SECOND		18	Positive	13.1
62	DOOR	WOOD	C	GOOD	WHITE	BED 2	SECOND	CLOSET	18	Positive	13.1
63	DOOR CASE	WOOD	C	GOOD	WHITE	BED 2	SECOND	CLOSET	18	Positive	14.7
64	DOOR JAMB	WOOD	C	GOOD	WHITE	BED 2	SECOND	CLOSET	18	Positive	13.7
65	DOOR STOP	WOOD	C	GOOD	WHITE	BED 2	SECOND	CLOSET	18	Positive	14
66	DOOR	WOOD	B	GOOD	WHITE	BED 2	SECOND		18	Positive	15.7
67	DOOR CASE	WOOD	B	GOOD	WHITE	BED 2	SECOND		18	Positive	13
68	DOOR JAMB	WOOD	B	GOOD	WHITE	BED 2	SECOND		18	Positive	12.8
69	DOOR STOP	WOOD	B	GOOD	WHITE	BED 2	SECOND		18	Positive	15
75	BASEBOARD	WOOD	A	GOOD	WHITE	BED 3	SECOND		18	Positive	16.6
77	WINDOW APRON	WOOD	D	GOOD	BLUE	BED 3	SECOND		18	Positive	15.7
78	WINDOW SILL	WOOD	D	GOOD	BLUE	BED 3	SECOND		18	Positive	17
79	WINDOW CASE	WOOD	D	GOOD	BLUE	BED 3	SECOND		18	Positive	10.3
80	WINDOW APRON	WOOD	C	GOOD	WHITE	BED 3	SECOND		18	Positive	14.1
81	WINDOW SILL	WOOD	C	GOOD	WHITE	BED 3	SECOND		18	Positive	15.2
82	WINDOW CASE	WOOD	C	GOOD	WHITE	BED 3	SECOND		18	Positive	11.1
83	DOOR	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Positive	14.2
84	DOOR CASE	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Positive	14.9
85	DOOR JAMB	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Positive	12.2
86	DOOR STOP	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Positive	14.4
90	DOOR	WOOD	B	GOOD	WHITE	BED 3	SECOND		18	Positive	11.2
91	DOOR CASE	WOOD	B	GOOD	WHITE	BED 3	SECOND		18	Positive	17.2
92	DOOR CASE	WOOD	B	GOOD	WHITE	BED 3	SECOND		18	Positive	15.4
93	DOOR STOP	WOOD	B	POOR	WHITE	BED 3	SECOND		18	Positive	14.6
102	DOOR	WOOD	A	GOOD	WHITE	BATH	SECOND		18	Positive	5.2
104	DOOR JAMB	WOOD	A	GOOD	WHITE	BATH	SECOND		18	Positive	15.6
105	DOOR STOP	WOOD	A	GOOD	WHITE	BATH	SECOND		18	Positive	10.7
111	BASEBOARD	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	17.8
113	WINDOW APRON	WOOD	C	GOOD	WHITE	BED 4	SECOND		18	Positive	14.2
114	WINDOW SILL	WOOD	C	GOOD	WHITE	BED 4	SECOND		18	Positive	13.8
115	WINDOW CASE	WOOD	C	GOOD	WHITE	BED 4	SECOND		18	Positive	14.4
116	WINDOW APRON	WOOD	B	GOOD	WHITE	BED 4	SECOND		18	Positive	16.4
117	WINDOW CASE	WOOD	B	GOOD	WHITE	BED 4	SECOND		18	Positive	11.4
118	WINDOW SILL	WOOD	B	GOOD	WHITE	BED 4	SECOND		18	Positive	14.7
119	DOOR	WOOD	A	GOOD	WHITE	BED 4	SECOND	CLOSET	18	Positive	15.2
120	DOOR CASE	WOOD	A	GOOD	WHITE	BED 4	SECOND	CLOSET	18	Positive	18.6
121	DOOR JAMB	WOOD	A	GOOD	WHITE	BED 4	SECOND	CLOSET	18	Positive	14.7

122	DOOR STOP	WOOD	A	GOOD	WHITE	BED 4	SECOND	CLOSET	18	Positive	13.7
124	DOOR	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	16.1
125	DOOR CASE	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	18.4
126	DOOR JAMB	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	14.8
127	DOOR STOP	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	14
130	WALL	DRYWALL	C	GOOD	GREY	HALL	SECOND		18	Positive	10.8
133	BASEBOARD	WOOD	A	GOOD	WHITE	HALL	SECOND		18	Positive	13.4
135	NEWAL POST	WOOD	A	GOOD	WHITE	HALL	SECOND		18	Positive	10
136	SPINDLE	WOOD	A	GOOD	WHITE	HALL	SECOND		18	Positive	16.2
139	CORNER TRIM	WOOD	A	GOOD	WHITE	HALL	SECOND		18	Positive	12.9
140	LFT STRINGER	WOOD	A	GOOD	WHITE	STAIRS	THIRD		18	Positive	15.4
141	RTE STRINGER	WOOD	A	GOOD	WHITE	STAIRS	THIRD		18	Positive	14.8
145	WALL	DRYWALL	D	GOOD	BROWN	BED 5	THIRD		18	Positive	18.4
146	CEILING	DRYWALL	A	GOOD	WHITE	BED 5	THIRD		18	Positive	18
150	WINDOW SILL	WOOD	B	GOOD	WHITE	BED 5	THIRD		18	Positive	1.5
152	WINDOW SILL	WOOD	A	GOOD	WHITE	BED 5	THIRD		18	Positive	1.7
153	WINDOW CASE	WOOD	A	GOOD	WHITE	BED 5	THIRD		18	Positive	1.1
164	DOOR	WOOD	C	GOOD	WHITE	BED 5	THIRD		18	Positive	14.5
165	DOOR CASE	WOOD	C	GOOD	WHITE	BED 5	THIRD		18	Positive	13.6
166	DOOR JAMB	WOOD	C	GOOD	WHITE	BED 5	THIRD		18	Positive	12.8
167	DOOR STOP	WOOD	C	GOOD	WHITE	BED 5	THIRD		18	Positive	12.9
178	DOOR STOP	WOOD	B	GOOD	WHITE	STORAGE RM	THIRD		18	Positive	15.2
179	WALL	DRYWALL	A	GOOD	BLUE	LIVE RM	FIRST		18	Positive	1.1
183	STAIR RISER	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	19.6
184	STRINGER	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	14.8
185	NEWAL POST	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	16.8
186	SPINDLE	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	11.7
188	CEILING BEAM	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	14.9
189	MANTLE	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	14.8
190	FIREPLACE	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	16.1
191	WINDOW APRON	WOOD	D	GOOD	WHITE	LIVE RM	FIRST		18	Positive	17
192	WINDOW SILL	WOOD	D	GOOD	WHITE	LIVE RM	FIRST		18	Positive	1
193	WINDOW CASE	WOOD	D	GOOD	WHITE	LIVE RM	FIRST		18	Positive	13.2
194	WINDOW SASH	WOOD	D	GOOD	WHITE	LIVE RM	FIRST		18	Positive	16.4
195	WINDOW APRON	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	17.9
196	WINDOW SILL	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	21.4
197	WINDOW CASE	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	21.5
198	WINDOW SASH	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	21.3
199	COLUMN 1	WOOD	B	GOOD	WHITE	LIVE RM	FIRST		18	Positive	22
200	COLUMN 2	WOOD	B	GOOD	WHITE	LIVE RM	FIRST		18	Positive	22.1
202	DOOR CASE	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	16.3
204	DOOR CASE	WOOD	A	GOOD	WHITE	FRONT ENT	FIRST		18	Positive	26.2

205	WINDOW APRON	WOOD	A	GOOD	WHITE	FRONT ENT	FIRST		18	Positive	25.4
206	WINDOW CASE	WOOD	A	GOOD	WHITE	FRONT ENT	FIRST		18	Positive	25.5
208	DOOR CASE	WOOD	C	GOOD	WHITE	FRONT ENT	FIRST		18	Positive	27
209	WALL	DRYWALL	A	GOOD	BLUE	DINE RM	FIRST		18	Positive	1.1
213	WINDOW APRON	WOOD	A	GOOD	WHITE	DINE RM	FIRST		18	Positive	15.4
214	WINDOW SILL	WOOD	A	GOOD	WHITE	DINE RM	FIRST		18	Positive	22.1
215	WINDOW CASE	WOOD	A	GOOD	WHITE	DINE RM	FIRST		18	Positive	8.1
216	WINDOW SASH	WOOD	A	GOOD	WHITE	DINE RM	FIRST		18	Positive	17.3
219	WINDOW CASE	WOOD	B	GOOD	WHITE	DINE RM	FIRST		18	Positive	14
221	DOOR CASE	WOOD	C	GOOD	WHITE	DINE RM	FIRST		18	Positive	18.5
260	WALL	DRYWALL	D	GOOD	GREY	KITCHEN	FIRST	BATH	18	Positive	2.7
261	CEILING	DRYWALL	A	GOOD	GREY	KITCHEN	FIRST	BATH	18	Positive	2.7
262	BASEBOARD	WOOD	A	GOOD	GREY	KITCHEN	FIRST	BATH	18	Positive	2.5
279	DOOR	WOOD	B	GOOD	WHITE	LIBRARY	FIRST		18	Positive	4
311	WALL	OTHER	A	GOOD	BLUE	EXTERIOR			18	Positive	7.7
312	WINDOW SILL	WOOD	A	GOOD	WHITE	EXTERIOR			18	Positive	29
313	WINDOW CASE	WOOD	A	GOOD	WHITE	EXTERIOR			18	Positive	35
318	WALL	WOOD	A	GOOD	WHITE	EXTERIOR			18	Positive	37
319	CEILING	WOOD	A	GOOD	WHITE	EXTERIOR			18	Positive	37
320	WALL	OTHER	B	GOOD	BLUE	EXTERIOR			18	Positive	7.7
322	RR. COLUMN	WOOD	B	GOOD	WHITE	EXTERIOR			18	Positive	41
323	WALL	WOOD	B	GOOD	BLUE	EXTERIOR			18	Positive	2.1
328	DOOR JAMB	WOOD	A	GOOD	BROWN	EXTERIOR		GARAGE	18	Positive	32
329	DOOR STOP	WOOD	A	GOOD	BROWN	EXTERIOR		GARAGE	18	Positive	1.4
330	WALL	OTHER	A	GOOD	BLUE	EXTERIOR		GARAGE	18	Positive	8.3
334	WINDOW SASH	WOOD	B	GOOD	WHITE	EXTERIOR		GARAGE	18	Positive	30
335	WALL	WOOD	C	GOOD	BLUE	EXTERIOR		GARAGE	18	Positive	8
336	DOOR	WOOD	C	GOOD	BROWN	EXTERIOR		GARAGE	18	Positive	1.3
340	WINDOW JAMB	WOOD	C	GOOD	WHITE	EXTERIOR		GARAGE	18	Positive	2.4
341	WALL	WOOD	D	GOOD	BLUE	EXTERIOR		GARAGE	18	Positive	1
342	WALL	OTHER	D	GOOD	BLUE	EXTERIOR		GARAGE	18	Positive	5.8
343	WINDOW SILL	WOOD	D	GOOD	WHITE	EXTERIOR		GARAGE	18	Positive	2.8
345	WINDOW SASH	WOOD	D	GOOD	WHITE	EXTERIOR		GARAGE	18	Positive	1.1
346	WALL	WOOD	B	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Positive	1.1
351	DOOR	WOOD	B	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Positive	39
352	DOOR CASE	WOOD	B	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Positive	1
354	CAR DOOR	WOOD	A	GOOD	WHITE	MAIN GARAGE	FIRST	GARAGE	18	Positive	11.7
355	EXT. CAR DOOR	WOOD	A	GOOD	BLUE	EXT. GARAGE	FIRST	EXT	18	Positive	4.5
369	LFT RAILING	WOOD	A	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	33
370	RTE RAILING	WOOD	A	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	56
371	POST	WOOD	A	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	42

372	CLOSET DR.	WOOD	B	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	38

H. Conclusions

The above listed components were determined to be positive for lead paint, as defined by Environmental Protection Agency/Department of Housing and Urban Development (EPA/HUD) as containing lead in concentrations greater or equal to 1.0 mg/cm^2.

When evaluating this report, it is assumed that according to Chapter 7 HUD guidelines, that if one testing combination (i.e. window, door) is positive for lead in an interior or exterior room equivalent, that all other similar testing combinations in those areas are assumed to be positive. The same is true for negative readings.
However, some painted surfaces may contain levels of lead below 1.0 mg/cm^2, these components could create lead dust or lead contaminated soil hazards if the paint is turned into dust by abrasion, scraping or sanding. If conditions of intact paint surfaces becomes destabilized, these conditions will need to be addressed in the future. If any construction or modernization work is done on the premises, this report should be given to the contactors as well as the tenants.

Paint Stabilization Recommendations

123 Main St. Cherry Hill, NJ 08002

ETS recommends taking action on the following components in poor condition using "Lead Safe Work Practices" as outlined in the Lead Safe Housing Rule 24 CFR Part 35 as amended June 21, 2004.

Reading #	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	FLOOR	OTHER	SITE	Result	Concent
19	WINDOW JAMB	WOOD	A	POOR	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	15.1
61	WINDOW JAMB	WOOD	A	POOR	WHITE	BED 2	SECOND		18	Positive	13.1
93	DOOR STOP	WOOD	B	POOR	WHITE	BED 3	SECOND		18	Positive	14.6
369	LFT RAILING	WOOD	A	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	33
370	RTE RAILING	WOOD	A	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	56
371	POST	WOOD	A	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	42
372	CLOSET DR.	WOOD	B	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	38

The best for eliminating the lead hazards detected and the future lead hazards that will exist over time is as follows:

- **Windows components with LBP**: We recommend that any deteriorated paint on the windows be wet scraped and repainted for the time being and the window wells be HEPA vacuumed on the windows that are able to be opened. The windows should be replaced or abated to eliminate the future lead hazards that will exist with use. A combination of paint stripping and re-painting to the friction and impact surfaces as well as encapsulating the non-friction/non-impact surfaces will also be sufficient to eliminate the lead hazards.

- **Interior door components with LBP:** We recommend making sure all the doors open and close without rubbing against the jambs. The best way to eliminate future lead hazards would be a combination of paint stripping and re-painting to the friction and impact surfaces as well as encapsulating the non-friction/non-impact surface.

- **Stair Spindles**: This can be a major concern since children will use the spindles when going up the stairs. We recommend encapsulating and repainting all the spindles to seal in any lead that may get disturbed.

- **Components with intact LBP:** All other components that contain lead paint should be repainted to add an extra layer of protection against the release of lead dust. It is also suggested that the components be encapsulated in high traffic areas or where the child will spend most of his/her time.

It is highly recommended that a the contractor doing the work will be familiar and use lead safe work practices while performing the renovation work in the home. We also recommend a Lead Paint Clearance be conducted when the renovations are complete.

Please note it is the contractor's responsibility to follow all city, state and federal regulations when performing Lead Hazard Reduction Activities.

All recommendations, findings, and conclusions stated in this report are based upon facts and circumstances as they existed at the time of the inspection and at the time that this report was prepared.

Encapsulation

Encapsulation means coating the lead-painted surface with a thick, durable sealing material. The coating prevents lead dust from being released. Encapsulants are best used on building materials that are in good condition. Conventional paint is NOT an encapsulant.

Advantages: Encapsulation usually does not generate a lot of dust. It may be less costly than other abatement options.

Disadvantages: Encapsulation does not permanently remove the lead-based paint. The lead source still remains underneath the covering. Any renovation or repair work to encapsulated surfaces can disturb the lead-based paint. Encapsulants do not work on all surfaces. Encapsulated surfaces need to be inspected regularly for damage and deterioration. Encapsulants can fail, especially if the underlying surface was not properly prepared or the encapsulant was not applied correctly.

Encapsulants should NOT be used on the following:
"Friction" and high profile (i.e., protruding window sills) surfaces are not suitable, regardless of their condition. Friction surfaces include window jambs; glides; headers; some stops and parting beads; inside, close-fitting door jambs and stops; floors; stair treads; and thresholds.

Example of lead encapsulate product: **Lead Stop and ChildSafe**

Disclosure Responsibility/ Disclaimer / Limitations and Conditions

Disclosure Responsibility

A copy of this summary must be provided to new lessees (tenants) and purchases of this property under Federal Law (24 CFR part 53 and 40 CFR part 745) before they become obligated under a lease or sales contract. The complete report must also be provided to new purchases and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

Disclaimer

This is our report of a visual survey, and X-Ray Fluorescence (XRF) analysis of the readily accessible areas of this building and tested components. The presence or absence of lead-based paint or lead-based paint hazards applies only to the tested or assessed surfaces on the date of the field visit and it should be understood that conditions noted within this report were accurate at the time of the inspection and in no way reflect the conditions at the property after the date of the inspection. Ongoing monitoring by the owner is usually necessary. No other environmental concerns were addressed during this inspection.

Limitations and Conditions

ETS has performed the tasks set forth above in a thorough and professional manner consistent with industry standards. ETS cannot guarantee and does not warrant that this inspection or assessment has revealed all adverse environmental conditions affecting the site. Nor can ETS warrant that the inspection or assessment requested will satisfy the dictates of, or provide a legal defense in connection with, environmental laws or regulations. The observations and findings were representative of the conditions from the site on the date of inspection. Often materials are located in confined or inaccessible locations with little or no visible manifestation of their presence. These materials may be found in various areas under existing flooring materials, above ceilings, behind walls, materials within fixtures, electrical wire casing, or buried pipes and wires. Due to the potential for hidden materials to be present, it may not be possible to determine if all suspect building materials have been identified, located, and subsequently tested. Destructive measures to access these and other potentially hidden materials were not employed by ETS as part of this project. However, ETS does warrant that its investigations and methodology reflect our best efforts based upon prevailing standard of care in the environmental industry.

XRF Results

Inspection Date:	August 11th, 2020	**123 Main St. Cherry Hill, NJ 08002**
Report Date:	August 11th, 2020	
Abatement Level:	1.0	
Report No:		
Total Readings:	(266) Actionable ()	

Reading #	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	FLOOR	OTHER	SITE	Result	Concent
1			Cali								1
2			Cali								1
3			Cali								1
4	WALL	DRYWALL	A	GOOD	GREY	MASTER BED	SECOND		18	Negative	0.5
5	WALL	DRYWALL	B	GOOD	GREY	MASTER BED	SECOND		18	Negative	0.6
6	WALL	DRYWALL	C	GOOD	GREY	MASTER BED	SECOND		18	Negative	0.4
7	WALL	DRYWALL	D	GOOD	GREY	MASTER BED	SECOND		18	Negative	0.5
8	CEILING	DRYWALL	A	GOOD	WHITE	MASTER BED	SECOND		18	Negative	0.5
9	BASEBOARD	WOOD	A	GOOD	WHITE	MASTER BED	SECOND		18	Positive	14.7
10	FLOOR	WOOD	A	GOOD	VARNISH	MASTER BED	SECOND		18	Negative	-0.1
11	WINDOW APRON	WOOD	A	GOOD	WHITE	MASTER BED	SECOND		18	Negative	0
12	WINDOW SILL	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	L SIDE	18	Negative	0.2
13	WINDOW CASE	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	L SIDE	18	Positive	19.1
14	WINDOW SASH	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	L SIDE	18	Negative	0.2
15	WINDOW APRON	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	11.6
16	WINDOW SILL	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	1.1
17	WINDOW CASE	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	16.1
18	WINDOW SASH	WOOD	A	GOOD	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	12.7
19	WINDOW JAMB	WOOD	A	POOR	WHITE	MASTER BED	SECOND	R SIDE	18	Positive	15.1
20	WINDOW APRON	WOOD	B	GOOD	WHITE	MASTER BED	SECOND		18	Positive	14.7
21	WINDOW APRON	WOOD	B	GOOD	WHITE	MASTER BED	SECOND		18	Positive	2.2
22	WINDOW APRON	WOOD	B	GOOD	WHITE	MASTER BED	SECOND		18	Positive	13.4
23	DOOR	WOOD	C	GOOD	WHITE	MASTER BED	SECOND		18	Positive	16.7
24	DOOR CASE	WOOD	C	GOOD	WHITE	MASTER BED	SECOND		18	Positive	15
25	DOOR JAMB	WOOD	C	GOOD	WHITE	MASTER BED	SECOND		18	Positive	18.3
26	DOOR STOP	WOOD	C	GOOD	WHITE	MASTER BED	SECOND		18	Positive	19.2
27	WINDOW APRON	WOOD	B	GOOD	WHITE	MASTER BED	SECOND	CLOSET	18	Negative	0.2
28	WINDOW SILL	WOOD	B	GOOD	WHITE	MASTER BED	SECOND	CLOSET	18	Negative	0.1
29	WINDOW CASE	WOOD	B	GOOD	WHITE	MASTER BED	SECOND	CLOSET	18	Positive	12.5
30	WINDOW SASH	WOOD	B	GOOD	WHITE	MASTER BED	SECOND	CLOSET	18	Negative	0.5
31	WALL	DRYWALL	A	GOOD	GREY	MASTER BED	SECOND	BATH	18	Negative	0.2
32	WALL	DRYWALL	B	GOOD	GREY	MASTER BED	SECOND	BATH	18	Negative	0.2
33	WALL	DRYWALL	C	GOOD	GREY	MASTER BED	SECOND	BATH	18	Negative	0.2
34	WALL	DRYWALL	D	GOOD	GREY	MASTER BED	SECOND	BATH	18	Negative	0.1

35	CEILING	DRYWALL	A	GOOD	GREY	MASTER BED	SECOND	BATH	18	Negative	0.1
36	WINDOW APRON	WOOD	B	GOOD	WHITE	MASTER BED	SECOND	BATH	18	Negative	0.1
37	WINDOW SILL	WOOD	B	GOOD	WHITE	MASTER BED	SECOND	BATH	18	Negative	0.1
38	WINDOW CASE	WOOD	B	GOOD	WHITE	MASTER BED	SECOND	BATH	18	Negative	-0.1
39	DOOR	WOOD	D	GOOD	WHITE	MASTER BED	SECOND	BATH	18	Positive	3.4
40	DOOR CASE	WOOD	D	GOOD	WHITE	MASTER BED	SECOND	BATH	18	Negative	0
41	DOOR JAMB	WOOD	D	GOOD	WHITE	MASTER BED	SECOND	BATH	18	Negative	0.1
42	DOOR STOP	WOOD	D	GOOD	WHITE	MASTER BED	SECOND	BATH	18	Negative	-0.1
43	DOOR	WOOD	D	GOOD	WHITE	MASTER BED	SECOND		18	Negative	0.5
44	DOOR CASE	WOOD	D	GOOD	WHITE	MASTER BED	SECOND		18	Positive	16.6
45	DOOR JAMB	WOOD	D	GOOD	WHITE	MASTER BED	SECOND		18	Positive	16
46	DOOR STOP	WOOD	D	GOOD	WHITE	MASTER BED	SECOND		18	Positive	13.1
47	WALL	DRYWALL	A	GOOD	WHITE	BED 2	SECOND		18	Negative	0.4
48	WALL	DRYWALL	B	GOOD	WHITE	BED 2	SECOND		18	Negative	0.1
49	WALL	DRYWALL	C	GOOD	WHITE	BED 2	SECOND		18	Negative	0.5
50	WALL	DRYWALL	D	GOOD	WHITE	BED 2	SECOND		18	Negative	0.4
51	CEILING	DRYWALL	A	GOOD	WHITE	BED 2	SECOND		18	Negative	0.4
52	BASEBOARD	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	16.3
53	FLOOR	WOOD	A	GOOD	VARNISH	BED 2	SECOND		18	Negative	0.2
54	WINDOW APRON	WOOD	D	GOOD	WHITE	BED 2	SECOND		18	Positive	13.8
55	WINDOW SILL	WOOD	D	GOOD	WHITE	BED 2	SECOND		18	Positive	15.5
56	WINDOW CASE	WOOD	D	GOOD	WHITE	BED 2	SECOND		18	Positive	13.3
57	WINDOW APRON	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	12.9
58	WINDOW SILL	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	16.4
59	WINDOW CASE	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	11.8
60	WINDOW SASH	WOOD	A	GOOD	WHITE	BED 2	SECOND		18	Positive	14.2
61	WINDOW JAMB	WOOD	A	POOR	WHITE	BED 2	SECOND		18	Positive	13.1
62	DOOR	WOOD	C	GOOD	WHITE	BED 2	SECOND	CLOSET	18	Positive	13.1
63	DOOR CASE	WOOD	C	GOOD	WHITE	BED 2	SECOND	CLOSET	18	Positive	14.7
64	DOOR JAMB	WOOD	C	GOOD	WHITE	BED 2	SECOND	CLOSET	18	Positive	13.7
65	DOOR STOP	WOOD	C	GOOD	WHITE	BED 2	SECOND	CLOSET	18	Positive	14
66	DOOR	WOOD	B	GOOD	WHITE	BED 2	SECOND		18	Positive	15.7
67	DOOR CASE	WOOD	B	GOOD	WHITE	BED 2	SECOND		18	Positive	13
68	DOOR JAMB	WOOD	B	GOOD	WHITE	BED 2	SECOND		18	Positive	12.8
69	DOOR STOP	WOOD	B	GOOD	WHITE	BED 2	SECOND		18	Positive	15
70	WALL	DRYWALL	A	GOOD	BLUE	BED 3	SECOND		18	Negative	0.1
71	WALL	DRYWALL	B	GOOD	BLUE	BED 3	SECOND		18	Negative	0.1
72	WALL	DRYWALL	C	GOOD	BLUE	BED 3	SECOND		18	Negative	0.4
73	WALL	DRYWALL	D	GOOD	BLUE	BED 3	SECOND		18	Negative	0.3
74	CEILING	DRYWALL	A	GOOD	WHITE	BED 3	SECOND		18	Negative	0.1
75	BASEBOARD	WOOD	A	GOOD	WHITE	BED 3	SECOND		18	Positive	16.6
76	FLOOR	WOOD	A	GOOD	VARNISH	BED 3	SECOND		18	Negative	0.1
77	WINDOW APRON	WOOD	D	GOOD	BLUE	BED 3	SECOND		18	Positive	15.7
78	WINDOW SILL	WOOD	D	GOOD	BLUE	BED 3	SECOND		18	Positive	17
79	WINDOW CASE	WOOD	D	GOOD	BLUE	BED 3	SECOND		18	Positive	10.3
80	WINDOW APRON	WOOD	C	GOOD	WHITE	BED 3	SECOND		18	Positive	14.1
81	WINDOW SILL	WOOD	C	GOOD	WHITE	BED 3	SECOND		18	Positive	15.2
82	WINDOW CASE	WOOD	C	GOOD	WHITE	BED 3	SECOND		18	Positive	11.1
83	DOOR	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Positive	14.2
84	DOOR CASE	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Positive	14.9

85	DOOR JAMB	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Positive	12.2
86	DOOR STOP	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Positive	14.4
87	SHELF	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Negative	0.1
88	SHELF SUPPORT	WOOD	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Negative	0.1
89	WALL	DRYWALL	A	GOOD	WHITE	BED 3	SECOND	CLOSET	18	Negative	0
90	DOOR	WOOD	B	GOOD	WHITE	BED 3	SECOND		18	Positive	11.2
91	DOOR CASE	WOOD	B	GOOD	WHITE	BED 3	SECOND		18	Positive	17.2
92	DOOR CASE	WOOD	B	GOOD	WHITE	BED 3	SECOND		18	Positive	15.4
93	DOOR STOP	WOOD	B	POOR	WHITE	BED 3	SECOND		18	Positive	14.6
94	WALL	DRYWALL	A	GOOD	WALL PPR	BATH	SECOND		18	Negative	0.1
95	WALL	DRYWALL	B	GOOD	WALL PPR	BATH	SECOND		18	Negative	0.1
96	WALL	DRYWALL	D	GOOD	WALL PPR	BATH	SECOND		18	Negative	0.1
97	CEILING	DRYWALL	D	GOOD	WHITE	BATH	SECOND		18	Negative	0.1
98	WINDOW APRON	WOOD	D	GOOD	WHITE	BATH	SECOND		18	Negative	0.1
99	WINDOW SILL	WOOD	D	GOOD	WHITE	BATH	SECOND		18	Negative	0.1
100	WINDOW CASE	WOOD	D	GOOD	WHITE	BATH	SECOND		18	Negative	0
101	WINDOW SASH	WOOD	D	GOOD	WHITE	BATH	SECOND		18	Negative	0.1
102	DOOR	WOOD	A	GOOD	WHITE	BATH	SECOND		18	Positive	5.2
103	DOOR CASE	WOOD	A	GOOD	WHITE	BATH	SECOND		18	Negative	0.1
104	DOOR JAMB	WOOD	A	GOOD	WHITE	BATH	SECOND		18	Positive	15.6
105	DOOR STOP	WOOD	A	GOOD	WHITE	BATH	SECOND		18	Positive	10.7
106	WALL	DRYWALL	A	GOOD	BLUE	BED 4	SECOND		18	Negative	0.8
107	WALL	DRYWALL	B	GOOD	BLUE	BED 4	SECOND		18	Negative	0.9
108	WALL	DRYWALL	C	GOOD	BLUE	BED 4	SECOND		18	Negative	0.7
109	WALL	DRYWALL	D	GOOD	BLUE	BED 4	SECOND		18	Negative	0.5
110	CEILING	DRYWALL	A	GOOD	BLUE	BED 4	SECOND		18	Negative	0.6
111	BASEBOARD	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	17.8
112	FLOOR	WOOD	A	GOOD	VARNISH	BED 4	SECOND		18	Negative	0.2
113	WINDOW APRON	WOOD	C	GOOD	WHITE	BED 4	SECOND		18	Positive	14.2
114	WINDOW SILL	WOOD	C	GOOD	WHITE	BED 4	SECOND		18	Positive	13.8
115	WINDOW CASE	WOOD	C	GOOD	WHITE	BED 4	SECOND		18	Positive	14.4
116	WINDOW APRON	WOOD	B	GOOD	WHITE	BED 4	SECOND		18	Positive	16.4
117	WINDOW CASE	WOOD	B	GOOD	WHITE	BED 4	SECOND		18	Positive	11.4
118	WINDOW SILL	WOOD	B	GOOD	WHITE	BED 4	SECOND		18	Positive	14.7
119	DOOR	WOOD	A	GOOD	WHITE	BED 4	SECOND	CLOSET	18	Positive	15.2
120	DOOR CASE	WOOD	A	GOOD	WHITE	BED 4	SECOND	CLOSET	18	Positive	18.6
121	DOOR JAMB	WOOD	A	GOOD	WHITE	BED 4	SECOND	CLOSET	18	Positive	14.7
122	DOOR STOP	WOOD	A	GOOD	WHITE	BED 4	SECOND	CLOSET	18	Positive	13.7
123	WALL	DRYWALL	A	GOOD	WHITE	BED 4	SECOND	CLOSET	18	Negative	0.5
124	DOOR	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	16.1
125	DOOR CASE	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	18.4
126	DOOR JAMB	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	14.8
127	DOOR STOP	WOOD	A	GOOD	WHITE	BED 4	SECOND		18	Positive	14
128	WALL	DRYWALL	A	GOOD	GREY	HALL	SECOND		18	Negative	0.2
129	WALL	DRYWALL	B	GOOD	GREY	HALL	SECOND		18	Negative	0.4
130	WALL	DRYWALL	C	GOOD	GREY	HALL	SECOND		18	Positive	10.8
131	WALL	DRYWALL	D	GOOD	GREY	HALL	SECOND		18	Negative	0.2
132	CEILING	DRYWALL	A	GOOD	WHITE	HALL	SECOND		18	Negative	0.1
133	BASEBOARD	WOOD	A	GOOD	WHITE	HALL	SECOND		18	Positive	13.4

134	WALL	DRYWALL	A	GOOD	WHITE	HALL	SECOND		18	Negative	0.1
135	NEWAL POST	WOOD	A	GOOD	WHITE	HALL	SECOND		18	Positive	10
136	SPINDLE	WOOD	A	GOOD	WHITE	HALL	SECOND		18	Positive	16.2
137	RAILING	WOOD	A	GOOD	BLACK	HALL	SECOND		18	Negative	0.2
138	WALL	WOOD	A	GOOD	WHITE	HALL	SECOND		18	Negative	0.2
139	CORNER TRIM	WOOD	A	GOOD	WHITE	HALL	SECOND		18	Positive	12.9
140	LFT STRINGER	WOOD	A	GOOD	WHITE	STAIRS	THIRD		18	Positive	15.4
141	RTE STRINGER	WOOD	A	GOOD	WHITE	STAIRS	THIRD		18	Positive	14.8
142	WALL	DRYWALL	A	GOOD	BROWN	BED 5	THIRD		18	Negative	0.1
143	WALL	DRYWALL	B	GOOD	BROWN	BED 5	THIRD		18	Negative	0.4
144	WALL	DRYWALL	C	GOOD	BROWN	BED 5	THIRD		18	Negative	0.2
145	WALL	DRYWALL	D	GOOD	BROWN	BED 5	THIRD		18	Positive	18.4
146	CEILING	DRYWALL	A	GOOD	WHITE	BED 5	THIRD		18	Positive	18
147	BASEBOARD	WOOD	A	GOOD	WHITE	BED 5	THIRD		18	Negative	0.2
148	WALL	WOOD	A	GOOD	WHITE	BED 5	THIRD		18	Negative	0.4
149	WALL	WOOD	B	GOOD	WHITE	BED 5	THIRD		18	Negative	0.2
150	WINDOW SILL	WOOD	B	GOOD	WHITE	BED 5	THIRD		18	Positive	1.5
151	WINDOW CASE	WOOD	B	GOOD	WHITE	BED 5	THIRD		18	Negative	0.8
152	WINDOW SILL	WOOD	A	GOOD	WHITE	BED 5	THIRD		18	Positive	1.7
153	WINDOW CASE	WOOD	A	GOOD	WHITE	BED 5	THIRD		18	Positive	1.1
154	WALL	DRYWALL	A	GOOD	BLUE	BED 5	THIRD	BATH	18	Negative	0.2
155	WALL	DRYWALL	B	GOOD	BLUE	BED 5	THIRD	BATH	18	Negative	0
156	WALL	DRYWALL	C	GOOD	BLUE	BED 5	THIRD	BATH	18	Negative	0.1
157	WALL	DRYWALL	D	GOOD	BLUE	BED 5	THIRD	BATH	18	Negative	0.1
158	CEILING	DRYWALL	A	GOOD	WHITE	BED 5	THIRD	BATH	18	Negative	0.2
159	BASEBOARD	WOOD	A	GOOD	WHITE	BED 5	THIRD	BATH	18	Negative	0.1
160	DOOR	WOOD	A	GOOD	WHITE	BED 5	THIRD	BATH	18	Negative	0.4
161	DOOR CASE	WOOD	A	GOOD	WHITE	BED 5	THIRD	BATH	18	Negative	0.2
162	DOOR JAMB	WOOD	A	GOOD	WHITE	BED 5	THIRD	BATH	18	Negative	0.6
163	DOOR STOP	WOOD	A	GOOD	WHITE	BED 5	THIRD	BATH	18	Negative	0.5
164	DOOR	WOOD	C	GOOD	WHITE	BED 5	THIRD		18	Positive	14.5
165	DOOR CASE	WOOD	C	GOOD	WHITE	BED 5	THIRD		18	Positive	13.6
166	DOOR JAMB	WOOD	C	GOOD	WHITE	BED 5	THIRD		18	Positive	12.8
167	DOOR STOP	WOOD	C	GOOD	WHITE	BED 5	THIRD		18	Positive	12.9
168	WALL	OTHER	A	GOOD	GREY	STORAGE RM	THIRD		18	Negative	0.4
169	WALL	OTHER	B	GOOD	GREY	STORAGE RM	THIRD		18	Negative	0.2
170	WALL	OTHER	C	GOOD	GREY	STORAGE RM	THIRD		18	Negative	0.1
171	WALL	OTHER	D	GOOD	GREY	STORAGE RM	THIRD		18	Negative	0.3
172	WINDOW APRON	WOOD	D	GOOD	WHITE	STORAGE RM	THIRD		18	Negative	0.2
173	WINDOW SILL	WOOD	D	GOOD	WHITE	STORAGE RM	THIRD		18	Negative	0.2
174	WINDOW CASE	WOOD	D	GOOD	WHITE	STORAGE RM	THIRD		18	Negative	0.1
175	DOOR	WOOD	B	GOOD	WHITE	STORAGE RM	THIRD		18	Negative	0.3
176	DOOR CASE	WOOD	B	GOOD	WHITE	STORAGE RM	THIRD		18	Negative	0
177	DOOR JAMB	WOOD	B	GOOD	WHITE	STORAGE RM	THIRD		18	Negative	0.3
178	DOOR STOP	WOOD	B	GOOD	WHITE	STORAGE RM	THIRD		18	Positive	15.2
179	WALL	DRYWALL	A	GOOD	BLUE	LIVE RM	FIRST		18	Positive	1.1
180	WALL	DRYWALL	C	GOOD	BLUE	LIVE RM	FIRST		18	Negative	0.1
181	WALL	DRYWALL	D	GOOD	BLUE	LIVE RM	FIRST		18	Negative	0.9
182	CEILING	DRYWALL	C	GOOD	WHITE	LIVE RM	FIRST		18	Negative	0.1
183	STAIR RISER	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	19.6
184	STRINGER	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	14.8
185	NEWAL POST	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	16.8
186	SPINDLE	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	11.7
187	STAIR TREAD	WOOD	C	GOOD	VARNISH	LIVE RM	FIRST		18	Negative	0.2

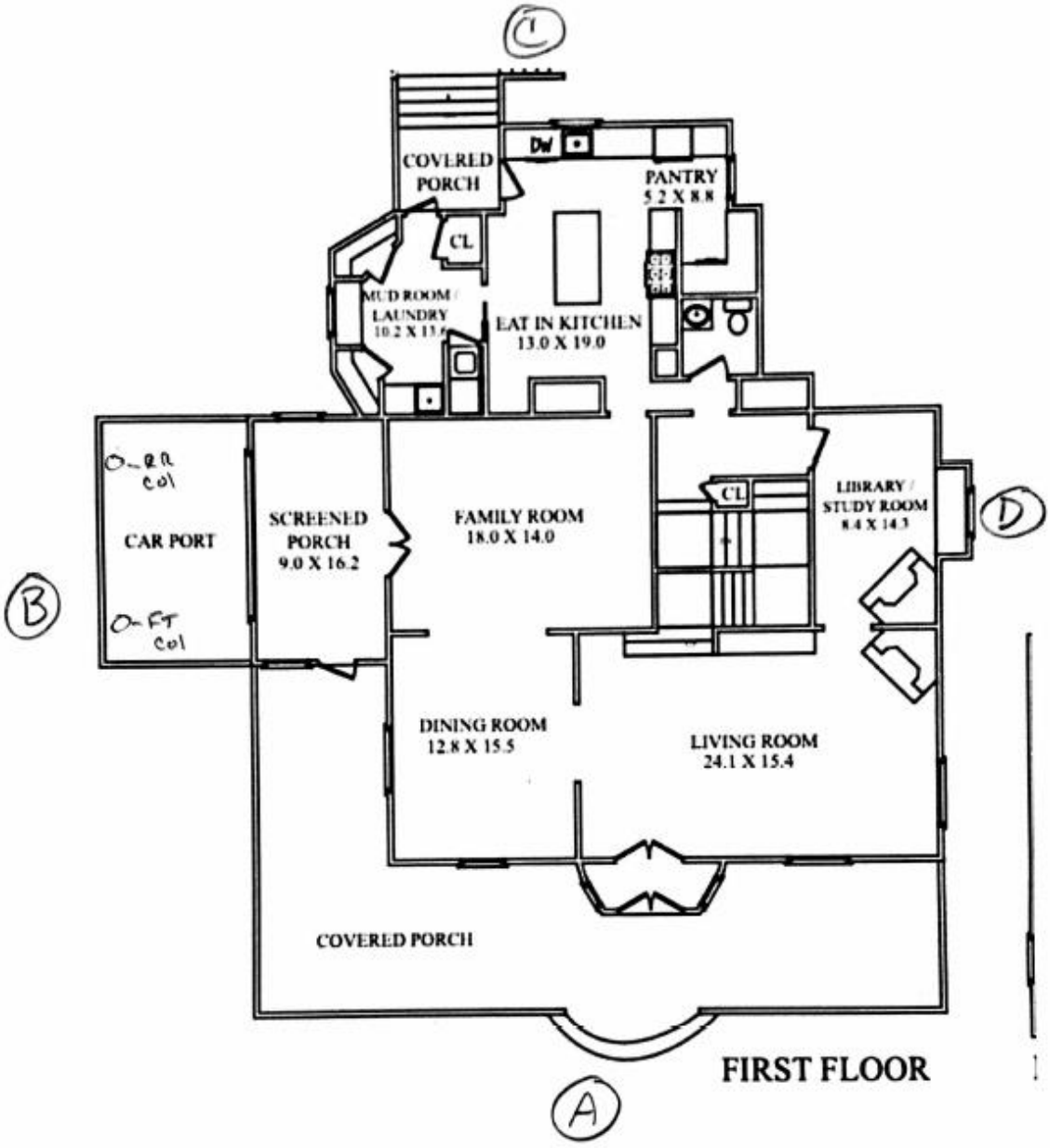
188	CEILING BEAM	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	14.9
189	MANTLE	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	14.8
190	FIREPLACE	WOOD	C	GOOD	WHITE	LIVE RM	FIRST		18	Positive	16.1
191	WINDOW APRON	WOOD	D	GOOD	WHITE	LIVE RM	FIRST		18	Positive	17
192	WINDOW SILL	WOOD	D	GOOD	WHITE	LIVE RM	FIRST		18	Positive	1
193	WINDOW CASE	WOOD	D	GOOD	WHITE	LIVE RM	FIRST		18	Positive	13.2
194	WINDOW SASH	WOOD	D	GOOD	WHITE	LIVE RM	FIRST		18	Positive	16.4
195	WINDOW APRON	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	17.9
196	WINDOW SILL	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	21.4
197	WINDOW CASE	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	21.5
198	WINDOW SASH	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	21.3
199	COLUMN 1	WOOD	B	GOOD	WHITE	LIVE RM	FIRST		18	Positive	22
200	COLUMN 2	WOOD	B	GOOD	WHITE	LIVE RM	FIRST		18	Positive	22.1
201	DOOR	WOOD	A	GOOD	VARNISH	LIVE RM	FIRST		18	Negative	0.1
202	DOOR CASE	WOOD	A	GOOD	WHITE	LIVE RM	FIRST		18	Positive	16.3
203	DOOR	WOOD	A	GOOD	WHITE	FRONT ENT	FIRST		18	Negative	0.1
204	DOOR CASE	WOOD	A	GOOD	WHITE	FRONT ENT	FIRST		18	Positive	26.2
205	WINDOW APRON	WOOD	A	GOOD	WHITE	FRONT ENT	FIRST		18	Positive	25.4
206	WINDOW CASE	WOOD	A	GOOD	WHITE	FRONT ENT	FIRST		18	Positive	25.5
207	DOOR	WOOD	C	GOOD	WHITE	FRONT ENT	FIRST		18	Negative	0
208	DOOR CASE	WOOD	C	GOOD	WHITE	FRONT ENT	FIRST		18	Positive	27
209	WALL	DRYWALL	A	GOOD	BLUE	DINE RM	FIRST		18	Positive	1.1
210	WALL	DRYWALL	B	GOOD	BLUE	DINE RM	FIRST		18	Negative	0.9
211	WALL	DRYWALL	C	GOOD	BLUE	DINE RM	FIRST		18	Negative	0.9
212	CEILING	DRYWALL	A	GOOD	WHITE	DINE RM	FIRST		18	Negative	0.2
213	WINDOW APRON	WOOD	A	GOOD	WHITE	DINE RM	FIRST		18	Positive	15.4
214	WINDOW SILL	WOOD	A	GOOD	WHITE	DINE RM	FIRST		18	Positive	22.1
215	WINDOW CASE	WOOD	A	GOOD	WHITE	DINE RM	FIRST		18	Positive	8.1
216	WINDOW SASH	WOOD	A	GOOD	WHITE	DINE RM	FIRST		18	Positive	17.3
217	WINDOW APRON	WOOD	B	GOOD	WHITE	DINE RM	FIRST		18	Negative	0.2
218	WINDOW SILL	WOOD	B	GOOD	WHITE	DINE RM	FIRST		18	Negative	0.3
219	WINDOW CASE	WOOD	B	GOOD	WHITE	DINE RM	FIRST		18	Positive	14
220	WINDOW SASH	WOOD	B	GOOD	WHITE	DINE RM	FIRST		18	Negative	0.6
221	DOOR CASE	WOOD	C	GOOD	WHITE	DINE RM	FIRST		18	Positive	18.5
222	DOOR JAMB	WOOD	C	GOOD	WHITE	DINE RM	FIRST		18	Negative	0.7
223	DOOR STOP	WOOD	C	GOOD	WHITE	DINE RM	FIRST		18	Negative	0
224	WALL	DRYWALL	A	GOOD	BLUE	FAMILY RM	FIRST		18	Negative	0.1
225	WALL	DRYWALL	B	GOOD	BLUE	FAMILY RM	FIRST		18	Negative	0.4
226	WALL	DRYWALL	C	GOOD	BLUE	FAMILY RM	FIRST		18	Negative	0.1
227	WALL	DRYWALL	D	GOOD	BLUE	FAMILY RM	FIRST		18	Negative	0.2
228	CEILING	DRYWALL	A	GOOD	BLUE	FAMILY RM	FIRST		18	Negative	0.3
229	WALL	WOOD	A	GOOD	BLUE	FAMILY RM	FIRST		18	Negative	0.5
230	BASEBOARD	WOOD	A	GOOD	WHITE	FAMILY RM	FIRST		18	Negative	0.2
231	FLOOR	WOOD	A	GOOD	VARNISH	FAMILY RM	FIRST		18	Negative	0.1
232	DOOR	WOOD	B	GOOD	WHITE	FAMILY RM	FIRST		18	Negative	0.5
233	DOOR CASE	WOOD	B	GOOD	WHITE	FAMILY RM	FIRST		18	Negative	0.3
234	WALL	DRYWALL	A	GOOD	WHITE	KITCHEN	FIRST		18	Negative	0.2
235	WALL	DRYWALL	B	GOOD	WHITE	KITCHEN	FIRST		18	Negative	0.1
236	WALL	DRYWALL	C	GOOD	WHITE	KITCHEN	FIRST		18	Negative	0.1
237	WALL	DRYWALL	D	GOOD	WHITE	KITCHEN	FIRST		18	Negative	0.2
238	CEILING	DRYWALL	A	GOOD	WHITE	KITCHEN	FIRST		18	Negative	0.1

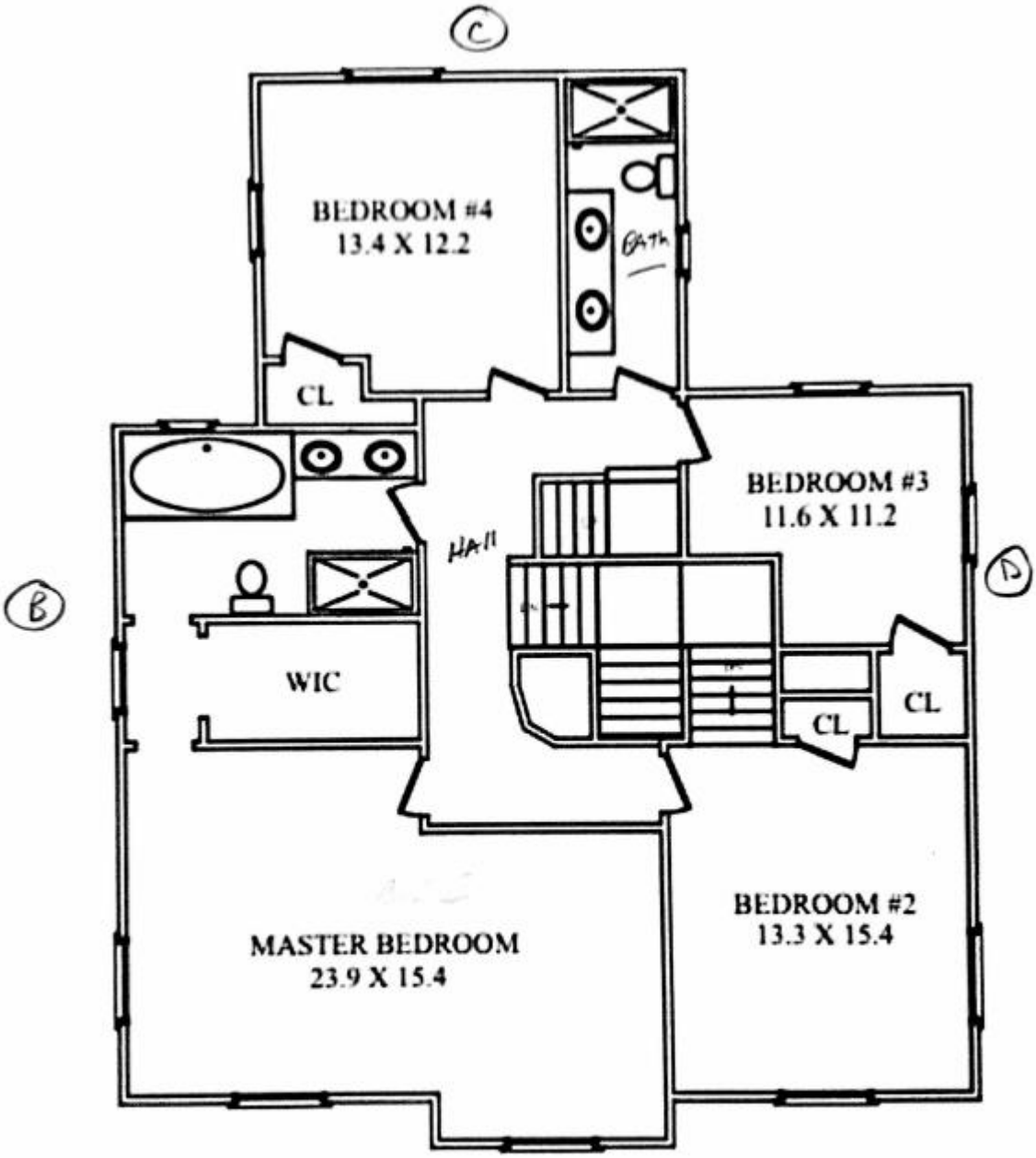
239	BASEBOARD	WOOD	A	GOOD	WHITE	KITCHEN	FIRST		18	Negative	0.1
240	FLOOR	WOOD	A	GOOD	VARNISH	KITCHEN	FIRST		18	Negative	0.2
241	WALL	DRYWALL	A	GOOD	WHITE	LAUNDRY	FIRST		18	Negative	0.2
242	WALL	DRYWALL	B	GOOD	WHITE	LAUNDRY	FIRST		18	Negative	0.1
243	WALL	DRYWALL	C	GOOD	WHITE	LAUNDRY	FIRST		18	Negative	0
244	WALL	DRYWALL	D	GOOD	WHITE	LAUNDRY	FIRST		18	Negative	0.1
245	CEILING	DRYWALL	A	GOOD	WHITE	LAUNDRY	FIRST		18	Negative	0.2
246	BASEBOARD	WOOD	A	GOOD	WHITE	LAUNDRY	FIRST		18	Negative	0.2
247	DOOR	WOOD	A	GOOD	WHITE	LAUNDRY	FIRST	CLOSET	18	Negative	0.1
248	DOOR CASE	WOOD	A	GOOD	WHITE	LAUNDRY	FIRST	CLOSET	18	Negative	0
249	DOOR JAMB	WOOD	A	GOOD	WHITE	LAUNDRY	FIRST	CLOSET	18	Negative	0
250	DOOR STOP	WOOD	A	GOOD	WHITE	LAUNDRY	FIRST	CLOSET	18	Negative	0.1
251	DOOR	WOOD	D	GOOD	WHITE	LAUNDRY	FIRST		18	Negative	0.1
252	DOOR CASE	WOOD	D	GOOD	WHITE	LAUNDRY	FIRST		18	Negative	-0.1
253	DOOR JAMB	WOOD	D	GOOD	WHITE	LAUNDRY	FIRST		18	Negative	0.1
254	WINDOW APRON	WOOD	D	GOOD	WHITE	KITCHEN	FIRST	CLOSET	18	Negative	0.1
255	WINDOW SILL	WOOD	D	GOOD	WHITE	KITCHEN	FIRST	CLOSET	18	Negative	0
256	WINDOW CASE	WOOD	D	GOOD	WHITE	KITCHEN	FIRST	CLOSET	18	Negative	0.1
257	WALL	DRYWALL	A	GOOD	GREY	KITCHEN	FIRST	BATH	18	Negative	0.3
258	WALL	DRYWALL	B	GOOD	GREY	KITCHEN	FIRST	BATH	18	Negative	0.2
259	WALL	DRYWALL	C	GOOD	GREY	KITCHEN	FIRST	BATH	18	Negative	0.2
260	WALL	DRYWALL	D	GOOD	GREY	KITCHEN	FIRST	BATH	18	Positive	2.7
261	CEILING	DRYWALL	A	GOOD	GREY	KITCHEN	FIRST	BATH	18	Positive	2.7
262	BASEBOARD	WOOD	A	GOOD	GREY	KITCHEN	FIRST	BATH	18	Positive	2.5
263	WALL	WOOD	A	GOOD	BROWN	KITCHEN	FIRST	BATH	18	Negative	0.2
264	DOOR	WOOD	A	GOOD	WHITE	KITCHEN	FIRST	BATH	18	Negative	0.1
265	DOOR CASE	WOOD	A	GOOD	WHITE	KITCHEN	FIRST	BATH	18	Negative	-0.1
266	DOOR JAMB	WOOD	A	GOOD	WHITE	KITCHEN	FIRST	BATH	18	Negative	0.2
267	DOOR STOP	WOOD	A	GOOD	WHITE	KITCHEN	FIRST	BATH	18	Negative	0
268	WALL	DRYWALL	A	GOOD	BLUE	LIBRARY	FIRST		18	Negative	0.3
269	WALL	DRYWALL	B	GOOD	BLUE	LIBRARY	FIRST		18	Negative	0.4
270	WALL	DRYWALL	C	GOOD	BLUE	LIBRARY	FIRST		18	Negative	0.3
271	WALL	DRYWALL	D	GOOD	BLUE	LIBRARY	FIRST		18	Negative	0.3
272	CEILING	DRYWALL	A	GOOD	WHITE	LIBRARY	FIRST		18	Negative	0.4
273	WINDOW SILL	WOOD	D	GOOD	WHITE	LIBRARY	FIRST		18	Negative	0.3
274	WINDOW CASE	WOOD	D	GOOD	WHITE	LIBRARY	FIRST		18	Negative	0.3
275	WINDOW SASH	WOOD	D	GOOD	WHITE	LIBRARY	FIRST		18	Negative	0.8
276	DOOR	WOOD	B	GOOD	WHITE	LIBRARY	FIRST		18	Negative	0.1
277	DOOR	WOOD	B	GOOD	WHITE	LIBRARY	FIRST		18	Negative	0.3
278	DOOR	WOOD	B	GOOD	WHITE	LIBRARY	FIRST		18	Negative	0.4
279	DOOR	WOOD	B	GOOD	WHITE	LIBRARY	FIRST		18	Positive	4
280	STRINGER	WOOD	A	GOOD	WHITE	RR STAIRS	FIRST		18	Negative	0.4
281	STRINGER	WOOD	A	GOOD	WHITE	RR STAIRS	FIRST		18	Negative	0.3
282	WALL	DRYWALL	A	GOOD	GREY	REC. ROOM	BSMT		18	Negative	0.2
283	WALL	DRYWALL	B	GOOD	GREY	REC. ROOM	BSMT		18	Negative	0.1
284	WALL	DRYWALL	C	GOOD	GREY	REC. ROOM	BSMT		18	Negative	0
285	WALL	DRYWALL	D	GOOD	GREY	REC. ROOM	BSMT		18	Negative	0.1
286	CEILING	DRYWALL	A	GOOD	WHITE	REC. ROOM	BSMT		18	Negative	-0.1
287	BASEBOARD	WOOD	A	GOOD	WHITE	REC. ROOM	BSMT		18	Negative	0.2
288	WALL	BRICK	A	GOOD	WHITE	REC. ROOM	BSMT		18	Negative	0
289	WALL	BRICK	A	GOOD	WHITE	BONUS RM	BSMT		18	Negative	0
290	DOOR	WOOD	A	GOOD	WHITE	BONUS RM	BSMT		18	Negative	0.1
291	DOOR CASE	WOOD	A	GOOD	WHITE	BONUS RM	BSMT		18	Negative	0.1
292	WALL	DRYWALL	A	GOOD	GREY	BONUS RM	BSMT		18	Negative	0.2

293	WALL	DRYWALL	B	GOOD	GREY	BONUS RM	BSMT		18	Negative	0.2
294	WALL	BRICK	C	GOOD	GREY	BONUS RM	BSMT		18	Negative	0.1
295	DOOR	WOOD	C	GOOD	VARNISH	BONUS RM	BSMT		18	Negative	0.2
296	DOOR CASE	WOOD	C	GOOD	VARNISH	BONUS RM	BSMT		18	Negative	0.1
297	DOOR JAMB	WOOD	C	GOOD	VARNISH	BONUS RM	BSMT		18	Negative	0.1
298	DOOR STOP	WOOD	C	GOOD	VARNISH	BONUS RM	BSMT		18	Negative	0.1
299	WALL	DRYWALL	A	GOOD	WHITE	BATH	BSMT		18	Negative	0
300	WALL	DRYWALL	B	GOOD	WHITE	BATH	BSMT		18	Negative	0.1
301	WALL	DRYWALL	C	GOOD	WHITE	BATH	BSMT		18	Negative	0
302	DOOR	WOOD	B	GOOD	WHITE	BATH	BSMT		18	Negative	0
303	DOOR CASE	WOOD	B	GOOD	WHITE	BATH	BSMT		18	Negative	0
304	DOOR JAMB	WOOD	B	GOOD	WHITE	BATH	BSMT		18	Negative	0
305	DOOR STOP	WOOD	B	GOOD	WHITE	BATH	BSMT		18	Negative	0.1
306	DOOR	WOOD	C	GOOD	WHITE	REAR ENT	BSMT		18	Negative	0
307	DOOR CASE	WOOD	C	GOOD	WHITE	REAR ENT	BSMT		18	Negative	0.2
308	NEWAL POST	WOOD	C	GOOD	WHITE	STAIRS	BSMT		18	Negative	0.1
309	HANDRAIL	WOOD	C	GOOD	WHITE	STAIRS	BSMT		18	Negative	0.1
310	SPINDLE	WOOD	C	GOOD	WHITE	STAIRS	BSMT		18	Negative	0
311	WALL	OTHER	A	GOOD	BLUE	EXTERIOR			18	Positive	7.7
312	WINDOW SILL	WOOD	A	GOOD	WHITE	EXTERIOR			18	Positive	29
313	WINDOW CASE	WOOD	A	GOOD	WHITE	EXTERIOR			18	Positive	35
314	COLUMN 1	WOOD	A	GOOD	WHITE	EXTERIOR			18	Negative	0.1
315	COLUMN 2	WOOD	A	GOOD	WHITE	EXTERIOR			18	Negative	0
316	COLUMN 3	WOOD	A	GOOD	WHITE	EXTERIOR			18	Negative	0
317	COLUMN 4	WOOD	A	GOOD	WHITE	EXTERIOR			18	Negative	0.2
318	WALL	WOOD	A	GOOD	WHITE	EXTERIOR			18	Positive	37
319	CEILING	WOOD	A	GOOD	WHITE	EXTERIOR			18	Positive	37
320	WALL	OTHER	B	GOOD	BLUE	EXTERIOR			18	Positive	7.7
321	FT. COLUMN	WOOD	B	GOOD	WHITE	EXTERIOR			18	Negative	0.3
322	RR. COLUMN	WOOD	B	GOOD	WHITE	EXTERIOR			18	Positive	41
323	WALL	WOOD	B	GOOD	BLUE	EXTERIOR			18	Positive	2.1
324	WALL	WOOD	C	GOOD	BLUE	EXTERIOR			18	Negative	0
325	WALL	WOOD	D	GOOD	BLUE	EXTERIOR			18	Negative	0.9
326	DOOR	WOOD	A	GOOD	BROWN	EXTERIOR		GARAGE	18	Negative	0.5
327	DOOR CASE	WOOD	A	GOOD	BROWN	EXTERIOR		GARAGE	18	Negative	0.6
328	DOOR JAMB	WOOD	A	GOOD	BROWN	EXTERIOR		GARAGE	18	Positive	32
329	DOOR STOP	WOOD	A	GOOD	BROWN	EXTERIOR		GARAGE	18	Positive	1.4
330	WALL	OTHER	A	GOOD	BLUE	EXTERIOR		GARAGE	18	Positive	8.3
331	WALL	WOOD	B	GOOD	BLUE	EXTERIOR		GARAGE	18	Negative	0.3
332	WINDOW SILL	WOOD	B	GOOD	WHITE	EXTERIOR		GARAGE	18	Negative	0.3
333	WINDOW CASE	WOOD	B	GOOD	WHITE	EXTERIOR		GARAGE	18	Negative	0.2
334	WINDOW SASH	WOOD	B	GOOD	WHITE	EXTERIOR		GARAGE	18	Positive	30
335	WALL	WOOD	C	GOOD	BLUE	EXTERIOR		GARAGE	18	Positive	8
336	DOOR	WOOD	C	GOOD	BROWN	EXTERIOR		GARAGE	18	Positive	1.3
337	DOOR CASE	WOOD	C	GOOD	BROWN	EXTERIOR		GARAGE	18	Negative	0.1
338	WINDOW SILL	WOOD	C	GOOD	WHITE	EXTERIOR		GARAGE	18	Negative	0.1
339	WINDOW CASE	WOOD	C	GOOD	WHITE	EXTERIOR		GARAGE	18	Negative	0.1
340	WINDOW JAMB	WOOD	C	GOOD	WHITE	EXTERIOR		GARAGE	18	Positive	2.4
341	WALL	WOOD	D	GOOD	BLUE	EXTERIOR		GARAGE	18	Positive	1
342	WALL	OTHER	D	GOOD	BLUE	EXTERIOR		GARAGE	18	Positive	5.8
343	WINDOW SILL	WOOD	D	GOOD	WHITE	EXTERIOR		GARAGE	18	Positive	2.8
344	WINDOW CASE	WOOD	D	GOOD	WHITE	EXTERIOR		GARAGE	18	Negative	0.2
345	WINDOW SASH	WOOD	D	GOOD	WHITE	EXTERIOR		GARAGE	18	Positive	1.1
346	WALL	WOOD	B	GOOD	BROWN	MAIN	FIRST	GARAGE	18	Positive	1.1

						GARAGE					
347	WALL	WOOD	B	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Negative	1
348	WALL	WOOD	C	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Negative	1
349	WINDOW APRON	WOOD	D	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Negative	0.6
350	WINDOW CASE	WOOD	D	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Negative	0.7
351	DOOR	WOOD	B	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Positive	39
352	DOOR CASE	WOOD	B	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Positive	1
353	DOOR JAMB	WOOD	B	GOOD	BROWN	MAIN GARAGE	FIRST	GARAGE	18	Negative	0.4
354	CAR DOOR	WOOD	A	GOOD	WHITE	MAIN GARAGE	FIRST	GARAGE	18	Positive	11.7
355	EXT. CAR DOOR	WOOD	A	GOOD	BLUE	EXT. GARAGE	FIRST	EXT	18	Positive	4.5
356	WALL	WOOD	A	POOR	WHITE	STORAGE	FIRST	GARAGE	18	Negative	0.5
357	WALL	WOOD	B	POOR	WHITE	STORAGE	FIRST	GARAGE	18	Negative	0.2
358	WALL	WOOD	D	POOR	WHITE	STORAGE	FIRST	GARAGE	18	Negative	0.7
359	CEILING	WOOD	D	POOR	WHITE	STORAGE	FIRST	GARAGE	18	Negative	0.5
360	STAIR RISER	WOOD	D	POOR	WHITE	STORAGE	FIRST	GARAGE	18	Negative	0.1
361	STRINGER	WOOD	D	POOR	WHITE	STORAGE	FIRST	GARAGE	18	Negative	0
362	STAIR TREAD	WOOD	D	POOR	VARNISH	STORAGE	FIRST	GARAGE	18	Negative	0.1
363	HANDRAIL	WOOD	D	GOOD	WHITE	STORAGE	FIRST	GARAGE	18	Negative	0.2
364	WALL	DRYWALL	A	GOOD	WHITE	STORAGE	SECOND	GARAGE	18	Negative	0.2
365	WALL	DRYWALL	B	GOOD	WHITE	STORAGE	SECOND	GARAGE	18	Negative	0.2
366	WALL	DRYWALL	C	GOOD	WHITE	STORAGE	SECOND	GARAGE	18	Negative	0.1
367	WALL	DRYWALL	D	GOOD	WHITE	STORAGE	SECOND	GARAGE	18	Negative	0
368	CEILING	DRYWALL	A	GOOD	WHITE	STORAGE	SECOND	GARAGE	18	Negative	0
369	LFT RAILING	WOOD	A	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	33
370	RTE RAILING	WOOD	A	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	56
371	POST	WOOD	A	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	42
372	CLOSET DR.	WOOD	B	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Positive	38
373	CLOSET DR. CS	WOOD	B	POOR	WHITE	STORAGE	SECOND	GARAGE	18	Negative	0.2
374			Cali								1
375			Cali								1
376			Cali								1.1

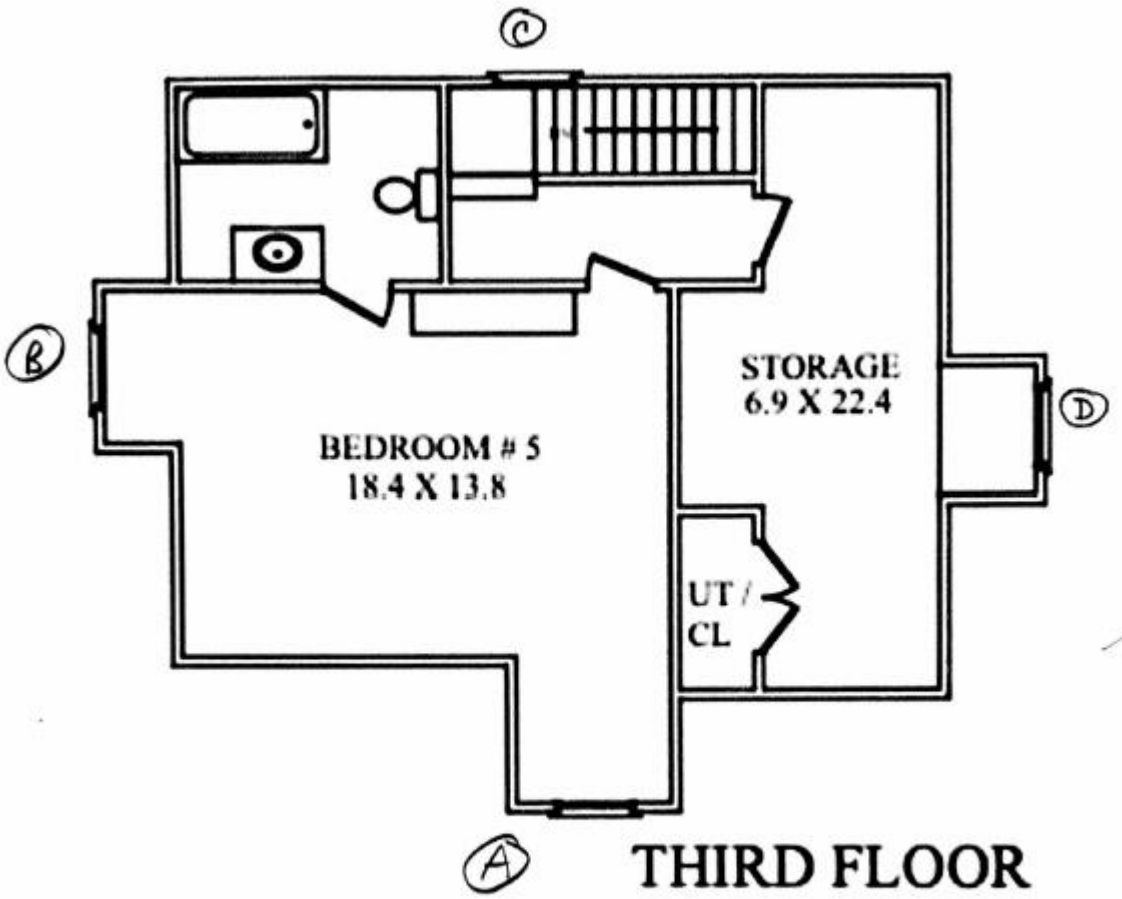
Drawings


C
COVERED PORCH
Dw
PANTRY
5.2 X 8.8
CL
MUD ROOM / LAUNDRY
10.2 X 13.6
EAT IN KITCHEN
13.0 X 19.0
CL
LIBRARY / STUDY ROOM
8.4 X 14.3
D
B
CAR PORT
SCREENED PORCH
9.0 X 16.2
FAMILY ROOM
18.0 X 14.0
DINING ROOM
12.8 X 15.5
LIVING ROOM
24.1 X 15.4
COVERED PORCH
A
FIRST FLOOR

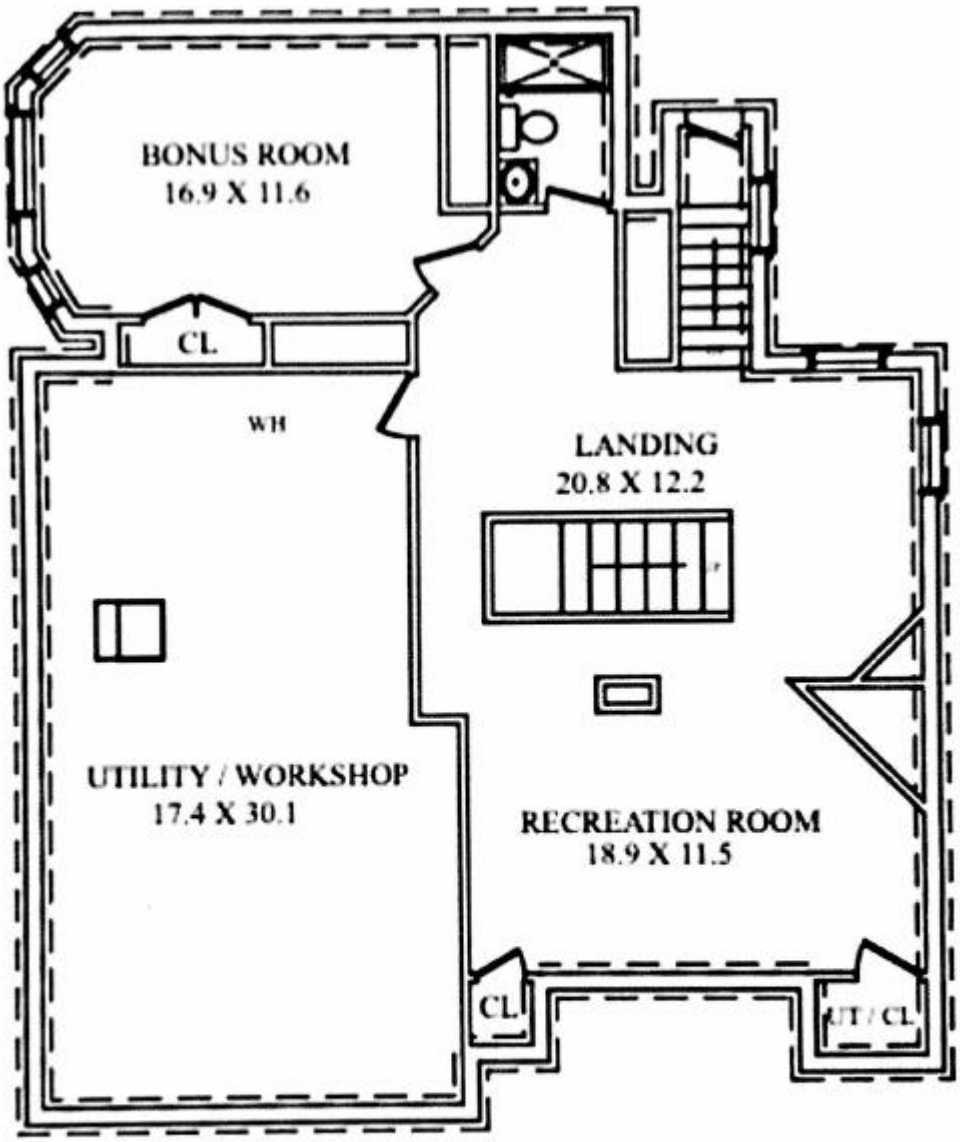


SECOND FLOOR

A



THIRD FLOOR

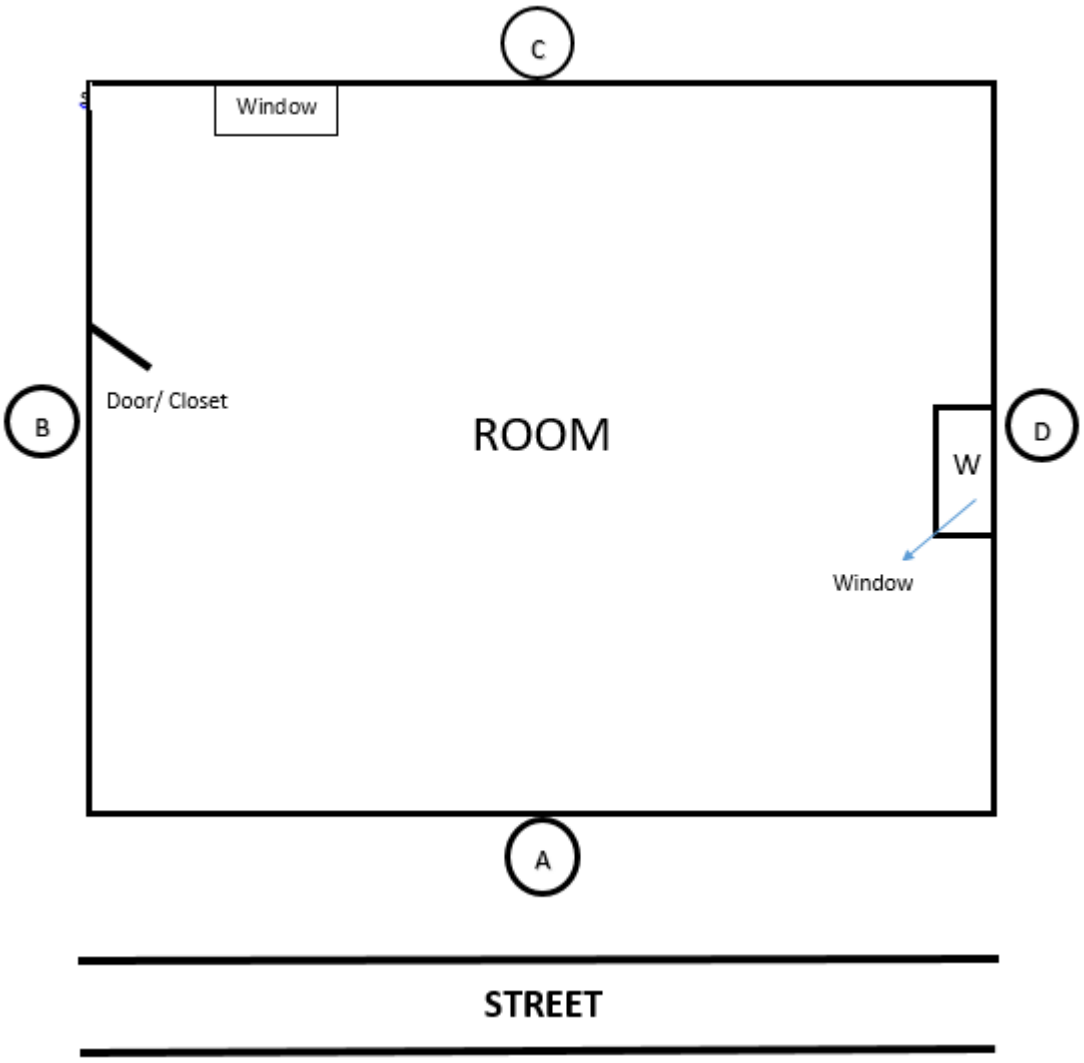

BONUS ROOM
16.9 X 11.6
CL.
WH
LANDING
20.8 X 12.2
UTILITY / WORKSHOP
17.4 X 30.1
RECREATION ROOM
18.9 X 11.5
CL.
LT / CL.

LOWER LEVEL

License/Certification

LICENCES AND CERTIFICATIONS
NOT ON THE SAMPLE REPORT

Standard room drawing for reference



Wall “A” in each room is the wall where the front entrance door opening is located (or aligned with the street). Going clockwise and facing wall “A” wall “B” will always be to your right, wall “C” directly to the rear and wall “D” to the left.

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.

For each substrate type (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
$\geq$ 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.