



Lead-Based Paint Inspection and Stabilization Report



Performed at:
Heightstown Housing Authority
131 Rogers Ave,
Hightstown, NJ 08520

Executive Director:
Keith LePrevost

Date of Inspection: May 25th, 2016

Prepared by:
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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. **Quantities are approximate. Contractor shall field verify amount/size of lead-based paint components/surfaces.**

May 25th, 2016

Heightstown Housing Authority
131 Rogers Ave,
Hightstown, NJ 08520

Re: Lead-Based Paint Inspection Report for
Multi-unit Apartment buildings located at:
131 Rogers Ave, Hightstown, NJ 08520

Dear Mr. LePrevost

Please find enclosed the lead inspection report for the Multi-unit Apartment buildings located at **131 Rogers Ave, Hightstown, NJ 08520**. The XRF survey was performed within the current acceptable industry guidelines and Housing and Urban Development (HUD) Guidelines Chapter 7 (Revised 2012) and State Regulations.

Environmental Testing Services LLC conducted the lead paint inspection at the above-referenced site on **May 25th, 2016**. The property is a complex consisting of 100 apartments in 7 buildings.

Environmental Testing Services LLC used Niton XLP 300A X-Ray fluorescence (XRF) lead paint analyzer to sample paint for lead. XRF Instrument serial # 93436 was used on this job.

Licensed NJ Lead Inspector Michael Stefkovic (License # NJ-031780), expiration date August 10th, 2016 performed the inspection.

According to the XRF readings, it has been determined that no positive (\neq >1.0 mg/cm²) lead based paint was detected on the buildings B1, B2, B3, B6, and B7. Ongoing monitoring activities will be not required on these specific buildings. However, it has been determined that there was lead-based paint at concentrations at or above 1.0 mg/cm² in buildings 4 and 5. Some of that paint was deteriorated and considered lead based paint. Therefore, a stabilization plan is included in this report.

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.

II

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 Centers for Disease Control, an estimated 10 percent of U.S. preschoolers suffer from high enough levels of lead in their blood to poison their systems. Also at risk from exposure to lead-based paint are pregnant women. Please note that some states or local authorities require some action if a child is found to have lead poisoning or is at risk of lead poisoning. Consult your state agency to see if state or local laws apply to you.

b. 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.

c. 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.

III Executive Summary

Environmental Testing Services LLC was authorized by Keith LePrevost to perform a lead-based paint (LBP) inspection of a complex that includes 7 apartment buildings located at **131 Rogers Ave, Hightstown, NJ 08520**. Environmental Testing Services LLC or its authorized licensed subcontractor tested the components of the multi-unit buildings. Selection of the specific apartments to be tested was accomplished using the HUD-defined selection as specified in the U.S. Department of Housing and Urban Development; Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing; Chapter 7, Lead-Based Paint Inspection (2012 revision); Section V. Inspections in Multifamily Housing. The list was provided by the manager of the complex. The manager used a combination of all the types of units in each building that was comprised of efficiencies up to 3 bedroom units. The 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.

Environmental Testing Services LLC's scope of services involved XRF testing as well as a surface-by-surface visual inspection of the components of the property to determine which lead-based paint surfaces/components are deteriorated (above the de minimums level). All accessible, painted or coated building components (that potentially contain lead-based paint) were tested utilizing X-Ray Fluorescence (XRF) analysis. The data collected is in Appendix V. 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.

Environmental Testing Services LLC tested a total of **Nine Hundred and Eighty Two (982) surfaces via XRF analysis and Nine (9) calibrations. Nineteen (19) surfaces were found to contain lead at levels above the regulatory level of 1.0 mg/cm².**

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.***

IV Scope of Inspection

A. Building Background and Inspector notes

The apartment complex is located at **131 Rogers Ave, Hightstown, NJ 08520**. No written permission was required to access the property as the property was occupied at the time of the inspection.

Units selected for inspection

During this evaluation, randomly sampled apartments were statistically selected to represent all apartments on the entire property. Only the randomly selected apartments were tested for the presence of lead-based paint.

Building 1

02,04,18,21

Building 2

01,06,08,16,18

Building 3

08,10,12

Building 4

02,04,09

Building 5

08,10,11,12

Building 6

02,13

Building 7

01,02,08

B. Preface

Environmental Testing Services LLC was authorized by Keith LePrevost to perform lead-based paint testing of the apartment complex to determine the possible presence, condition, location and amount of lead paint. The testing was conducted on **May 25th, 2016**.

C. Training

All inspectors utilized by Environmental Testing Services LLC have EPA/State licensure and are licensed Lead Risk Assessors, or Inspectors who have passed the "HUD Visual Assessment Course". All technicians utilized by Environmental Testing Services LLC 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

Environmental Testing Services LLC used Niton XLP 300A X-Ray fluorescence (XRF) lead paint analyzer to sample paint for lead. XRF Instrument serial # 93436 was used on this job.

The instrument was purchased or serviced after **November 1st, 2014**. See Appendix VIII: for XRF Performance Characteristic Sheet (PCS). Source material is **CD109**.

E. Inspection Company

The inspection was performed by an inspector employed by Environmental Testing Services LLC.

F. Methods

The calibration of the Niton XLP 300A 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

**Heightstown Housing Authority
131 Rogers Ave,
Hightstown, NJ 08520**

This complex consists of 100 apartments in 7 different buildings, so no extrapolations were required because Chapter 7 Single Family Testing Rules were followed.

Environmental Testing Services LLC tested a total of **Nine Hundred and Eighty Two (982) surfaces via XRF analysis and Nine (9) calibrations. Nineteen (19) surfaces were found to contain lead at levels above the regulatory level of 1.0 mg/cm².**

Reading No	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	Site	Results	PbC
534	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b4 02	Positive	2.6
543	RADIATOR	METAL	C	POOR	WHITE	LIVE RM	b4 02	Positive	3.7
550	RADIATOR	METAL	A	INTACT	WHITE	KITCHEN	b4 02	Positive	3.4
555	RADIATOR	METAL	D	INTACT	WHITE	HALL	b4 02	Positive	1.8
675	RADIATOR	METAL	B	INTACT	WHITE	LIVE RM	b5 08	Positive	1.3
683	RADIATOR	METAL	B	POOR	WHITE	KITCHEN	b5 08	Positive	1.1
698	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b5 08	Positive	2.3
708	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b5 08	Positive	4.3
717	RADIATOR	METAL	C	POOR	WHITE	BED 3	b5 08	Positive	2
733	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b5 10	Positive	5.8
742	RADIATOR	METAL	C	POOR	WHITE	BED 2	b5 10	Positive	3.8
749	RADIATOR	METAL	C	INTACT	WHITE	LIVE RM	b5 10	Positive	3.8
755	RADIATOR	METAL	D	INTACT	WHITE	KITCHEN	b5 10	Positive	4
771	RADIATOR	METAL	A	INTACT	WHITE	LIVE RM	b5 11	Positive	1.6
778	RADIATOR	METAL	A	INTACT	WHITE	LIVE RM	b5 11	Positive	3.1
785	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b5 11	Positive	3.7
795	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b5 11	Positive	4.1
847	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b5 12	Positive	2.7
856	RADIATOR	METAL	C	INTACT	WHITE	BED 3	b5 12	Positive	3.8

H. Conclusions

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.

All inaccessible areas are assumed to be positive, even though they were not able to be tested. Inaccessible areas are noted in Section V- XRF Results.

This inspection is done in accordance with Lead Safe Housing Rule 24 CFR Part 35 subpart F as amended June 21, 2004. The sample results are presented in Appendix V. The surface conditions ranged from intact to poor at the time of the inspection. In compliance with "HUD's Final Rule", you will need to reduce potential hazards by stabilizing all deteriorated lead-based paint in housing built before 1978, unless the property is exempt. Upon completion of paint stabilization activities, HUD requires a clearance examination to determine that the paint stabilization efforts were performed adequately. Paint stabilization means to repair any defect in the substrate, or any defect in a building component, that is causing the paint deterioration, to remove all loose paint and other loose material from the surface to be treated utilizing lead-safe work practices, and to apply a new protective coating or paint.

The Final Rule specifies who can perform paint stabilization of deteriorated surfaces. The repair contractor must either be supervised by a certified lead paint abatement supervisor, or successfully complete one of several courses approved by HUD. A list of contractors who are under the supervision of a certified lead paint abatement supervisor can be located from the State or EPA Lead Control Office. Contractors who are also able to perform the work must be able to document that they have successfully completed a qualifying course. Examples of such courses follow:

1. An accredited lead abatement supervisor course.
2. An accredited lead-based paint worker course.
3. "The Lead-Based Paint Maintenance Training Program" developed by the National Environmental Training Association for EPA and HUD.
4. "The Remodeler's and Renovator's Lead-Based Paint Training Program" prepared by HUD and the National Association of the Remodeling Industry (NARI).
5. Any course approved by HUD after consultation with EPA for this purpose.

A Clearance Examination will include a visual evaluation of all surfaces that were determined to be defective during the initial inspection, and collection of dust samples. It should be determined that the deteriorated paint surfaces have been eliminated and that no settled dust lead hazards exist in the dwelling or unit. The clearance report must be signed by a certified/Licensed Lead Inspector/Risk Assessor.

Some painted surfaces may contain levels of lead below 1.0 mg/cm², 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 become 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.

V. Paint Stabilization Recommendations

Heightstown Housing Authority
131 Rogers Ave,
Hightstown, NJ 08520

Since only a portion of the radiators were tested, it is assumed that most of the radiators contain lead-based paint at concentrations at or above 1.0 mg/cm² in buildings 4 and 5. ETS recommends wet scraping and repainting all of the radiators in buildings 4 and 5 utilizing "Lead Safe Work Practices" as outlined in the Lead Safe Housing Rule 24 CFR Part 35 as amended June 21, 2004.

Reading No	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	Site	Results	PbC
742	RADIATOR	METAL	C	POOR	WHITE	BED 2	b5 10	Positive	3.8
543	RADIATOR	METAL	C	POOR	WHITE	LIVE RM	b4 02	Positive	3.7
717	RADIATOR	METAL	C	POOR	WHITE	BED 3	b5 08	Positive	2
683	RADIATOR	METAL	B	POOR	WHITE	KITCHEN	b5 08	Positive	1.1

Please note it is the contractor's responsibility to follow all city, state and federal regulations when performing Lead Hazard Reduction Activities. All quantities are estimates. It is the contractor's responsibility to confirm all quantities and conditions.

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.

VI DISCLOSURE RESPONSIBILITY AND DISCLAIMER

Disclosure Responsibility

A copy of this summary must be provided to new lessees (tenants) and purchasers 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.

VII: XRF Results

335 Driscoll Ave. Woodbury, NJ 08096	
Report Date:	May 25th, 2016
Report No:	
Total Readings:	(982) Actionable ()
Job Started:	NA
Job Finished:	NA

Reading No	COMPONENT	SUBSTRATE	SIDE	CONDITION	COLOR	ROOM TYPE	Site	Results	PbC
1			Cali						0.9
2			Cali						1
3			Cali						1
4	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b6-02	Negative	0
5	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b6-02	Negative	0.03
6	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b6-02	Negative	0
7	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b6-02	Negative	0
8	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b6-02	Negative	0
9	RADIATOR	METAL	C	INTACT	WHITE	LIVE RM	b6-02	Negative	0.17
10	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b6-02	Negative	0
11	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b6-02	Negative	0
12	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b6-02	Negative	0.06
13	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b6-02	Negative	0.02
14	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b6-02	Negative	0
15	WALL	DRYWALL	A	INTACT	WHITE	BATH	b6-02	Negative	0
16	WALL	DRYWALL	B	INTACT	WHITE	BATH	b6-02	Negative	0
17	WALL	DRYWALL	C	INTACT	WHITE	BATH	b6-02	Negative	0.06
18	WALL	DRYWALL	D	INTACT	WHITE	BATH	b6-02	Negative	0
19	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b6-02	Negative	0
20	DOOR	WOOD	A	INTACT	VARNISH	BATH	b6-02	Negative	0
21	DOOR CASE	METAL	A	INTACT	BROWN	BATH	b6-02	Negative	0
22	DOOR JB	WOOD	A	INTACT	BROWN	BATH	b6-02	Negative	0.01
23	DOOR	METAL	A	INTACT	BROWN	ENTRANCE	b6-02	Negative	0
24	DOOR CASE	WOOD	A	INTACT	BROWN	ENTRANCE	b6-	Negative	0.02

							02		
25	DOOR JB	WOOD	A	INTACT	BROWN	ENTRANCE	b6-02	Negative	0.01
26	COLUMN	CONCRETE	A	INTACT	WHITE	EXTERIOR	b6-02	Negative	0
27	WALL	DRYWALL	A	INTACT	WHITE	BATH	b613	Negative	0.03
28	WALL	DRYWALL	B	INTACT	WHITE	BATH	b613	Negative	0
29	WALL	DRYWALL	C	INTACT	WHITE	BATH	b613	Negative	0
30	WALL	DRYWALL	D	INTACT	WHITE	BATH	b613	Negative	0
31	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b613	Negative	0.03
32	DOOR	WOOD	A	INTACT	VARNISH	BATH	b613	Negative	0.01
33	DOOR CASE	METAL	A	INTACT	BROWN	BATH	b613	Negative	0
34	DOOR JAMB	METAL	A	INTACT	BROWN	BATH	b613	Negative	0
35	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b613	Negative	0
36	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b613	Negative	0
37	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b613	Negative	0
38	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b613	Negative	0
39	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b613	Negative	0
40	WINDOW CASE	METAL	C	INTACT	WHITE	BED 1	b613	Negative	0.02
41	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b613	Negative	0.01
42	DOOR CASE	METAL	A	INTACT	BROWN	BED 1	b613	Negative	0
43	DOOR JAMB	METAL	A	INTACT	BROWN	BED 1	b613	Negative	0.01
44	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b613	Negative	0
45	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b613	Negative	0
46	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b613	Negative	0
47	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b613	Negative	0
48	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b613	Negative	0
49	WINDOW SILL	METAL	C	INTACT	WHITE	LIVE RM	b613	Negative	0.17
50	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b613	Negative	0.01
51	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b613	Negative	0
52	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b613	Negative	0
53	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b613	Negative	0
54	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b613	Negative	0
55	WINDOW	METAL	D	INTACT	WHITE	KITCHEN	b6	Negative	0.01

	CASE						13		
56	DOOR	METAL	A	INTACT	BROWN	ENTRANCE	b6 13	Negative	0
57	DOOR CASE	METAL	A	INTACT	BROWN	ENTRANCE	b6 13	Negative	0
58	WALL	DRYWALL	A	INTACT	WHITE	BATH	b7 01	Negative	0
59	WALL	DRYWALL	B	INTACT	WHITE	BATH	b7 01	Negative	0
60	WALL	DRYWALL	C	INTACT	WHITE	BATH	b7 01	Negative	0
61	WALL	DRYWALL	D	INTACT	WHITE	BATH	b7 01	Negative	0
62	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b7 01	Negative	0
63	DOOR	WOOD	A	INTACT	VARNISH	BATH	b7 01	Negative	0
64	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b7 01	Negative	0.18
65	DOOR JAMB	WOOD	A	INTACT	VARNISH	BATH	b7 01	Negative	0.09
66	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b7 01	Negative	0
67	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b7 01	Negative	0
68	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b7 01	Negative	0
69	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b7 01	Negative	0
70	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b7 01	Negative	0
71	WINDOW SILL	METAL	C	INTACT	WHITE	BED 1	b7 01	Negative	0.01
72	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b7 01	Negative	0.01
73	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b7 01	Negative	0
74	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b7 01	Negative	0.05
75	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b7 01	Negative	0
76	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b7 01	Negative	0
77	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b7 01	Negative	0
78	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b7 01	Negative	0
79	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b7 01	Negative	0
80	BASEBOARD	WOOD	A	INTACT	WHITE	LIVE RM	b7 01	Negative	0.01
81	WINDOW CASE	METAL	C	INTACT	WHITE	LIVE RM	b7 01	Negative	0.04
82	RADIATOR	METAL	C	INTACT	WHITE	LIVE RM	b7 01	Negative	0.06
83	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b7 01	Negative	0.01
84	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b7 01	Negative	0.15
85	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b7 01	Negative	0
86	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b7	Negative	0

							01		
87	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b7 01	Negative	0.03
88	WINDOW CASE	METAL	D	INTACT	WHITE	KITCHEN	b7 01	Negative	0.01
89	RADIATOR	METAL	D	INTACT	WHITE	KITCHEN	b7 01	Negative	0.03
90	DOOR	WOOD	A	INTACT	WHITE	HALL	b7 01	Negative	0
91	DOOR CASE	METAL	A	INTACT	WHITE	HALL	b7 01	Negative	0.01
92	DOOR JAMB	METAL	A	INTACT	WHITE	HALL	b7 01	Negative	0.06
93	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b7 02	Negative	0
94	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b7 02	Negative	0.03
95	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b7 02	Negative	0.03
96	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b7 02	Negative	0
97	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b7 02	Negative	0
98	BASEBOARD	WOOD	A	INTACT	WHITE	LIVE RM	b7 02	Negative	0
99	WINDOW CASE	METAL	C	INTACT	WHITE	LIVE RM	b7 02	Negative	0.04
100	RADIATOR	METAL	C	INTACT	WHITE	LIVE RM	b7 02	Negative	0
101	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b7 02	Negative	0.03
102	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b7 02	Negative	0
103	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b7 02	Negative	0
104	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b7 02	Negative	0
105	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b7 02	Negative	0
106	WINDOW CASE	METAL	C	INTACT	WHITE	BED 1	b7 02	Negative	0.02
107	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b7 02	Negative	0.01
108	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b7 02	Negative	0
109	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b7 02	Negative	0.01
110	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b7 02	Negative	0.02
111	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b7 02	Negative	0.01
112	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b7 02	Negative	0.01
113	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b7 02	Negative	0
114	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b7 02	Negative	0
115	WINDOW CASE	METAL	A	INTACT	WHITE	KITCHEN	b7 02	Negative	0.01
116	RADIATOR	METAL	A	INTACT	WHITE	KITCHEN	b7 02	Negative	0.01
117	WALL	DRYWALL	A	INTACT	WHITE	BATH	b7	Negative	0

							02		
118	WALL	DRYWALL	B	INTACT	WHITE	BATH	b7 02	Negative	0.02
119	WALL	DRYWALL	C	INTACT	WHITE	BATH	b7 02	Negative	0
120	WALL	DRYWALL	D	INTACT	WHITE	BATH	b7 02	Negative	0
121	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b7 02	Negative	0
122	DOOR	WOOD	A	INTACT	VARNISH	BATH	b7 02	Negative	0
123	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b7 02	Negative	0.04
124	DOOR	METAL	A	INTACT	WHITE	ENTRANCE	b7 02	Negative	0
125	DOOR CASE	METAL	A	INTACT	WHITE	ENTRANCE	b7 02	Negative	0.01
126	DOOR JAMB	METAL	A	INTACT	WHITE	ENTRANCE	b7 02	Negative	0.01
127	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b7 08	Negative	0
128	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b7 08	Negative	0
129	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b7 08	Negative	0
130	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b7 08	Negative	0
131	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b7 08	Negative	0
132	WINDOW CASE	METAL	A	INTACT	WHITE	KITCHEN	b7 08	Negative	0
133	RADIATOR	METAL	A	INTACT	WHITE	KITCHEN	b7 08	Negative	0.01
134	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b7 08	Negative	0
135	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b7 08	Negative	0
136	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b7 08	Negative	0
137	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b7 08	Negative	0
138	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b7 08	Negative	0
139	BASEBOARD	WOOD	A	INTACT	WHITE	LIVE RM	b7 08	Negative	0
140	RADIATOR	METAL	C	INTACT	WHITE	LIVE RM	b7 08	Negative	0.03
141	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b7 08	Negative	0
142	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b7 08	Negative	0.01
143	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b7 08	Negative	0
144	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b7 08	Negative	0
145	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b7 08	Negative	0
146	BASEBOARD	WOOD	A	INTACT	WHITE	BED 1	b7 08	Negative	0
147	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b7 08	Negative	0.02
148	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b7	Negative	0.01

							08		
149	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b7 08	Negative	0.07
150	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b7 08	Negative	0.02
151	WALL	DRYWALL	A	INTACT	WHITE	BATH	b7 08	Negative	0
152	WALL	DRYWALL	B	INTACT	WHITE	BATH	b7 08	Negative	0
153	WALL	DRYWALL	C	INTACT	WHITE	BATH	b7 08	Negative	0
154	WALL	DRYWALL	D	INTACT	WHITE	BATH	b7 08	Negative	0
155	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b7 08	Negative	0
156	DOOR	WOOD	A	INTACT	VARNISH	BATH	b7 08	Negative	0
157	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b7 08	Negative	0.02
158	DOOR	METAL	A	INTACT	WHITE	ENTRANCE	b7 08	Negative	0.03
159	DOOR CASE	METAL	A	INTACT	WHITE	ENTRANCE	b7 08	Negative	0.01
160	COLUMN	CONCRETE	A	INTACT	WHITE	EXTERIOR	b7 08	Negative	0.02
161	CEILING	DRYWALL	A	INTACT	WHITE	EXTERIOR	b7 08	Negative	0
162	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b2 08	Negative	0
163	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b2 08	Negative	0
164	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b2 08	Negative	0
165	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b2 08	Negative	0
166	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b2 08	Negative	0
167	DOOR	METAL	A	INTACT	WHITE	LIVE RM	b2 08	Negative	0
168	DOOR CASE	METAL	A	INTACT	WHITE	LIVE RM	b2 08	Negative	0
169	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b2 08	Negative	0.01
170	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b2 08	Negative	0.03
171	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b2 08	Negative	0.06
172	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b2 08	Negative	0.05
173	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b2 08	Negative	0
174	RADIATOR	METAL	D	INTACT	WHITE	KITCHEN	b2 08	Negative	0.09
175	DOOR	WOOD	B	INTACT	VARNISH	KITCHEN	b2 08	Negative	0
176	DOOR CASE	WOOD	B	INTACT	VARNISH	KITCHEN	b2 08	Negative	0
177	WALL	DRYWALL	A	INTACT	WHITE	BATH	b2 08	Negative	0
178	WALL	DRYWALL	B	INTACT	WHITE	BATH	b2 08	Negative	0
179	WALL	DRYWALL	C	INTACT	WHITE	BATH	b2	Negative	0

							08		
180	WALL	DRYWALL	D	INTACT	WHITE	BATH	b2 08	Negative	0.01
181	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b2 08	Negative	0
182	RADIATOR	METAL	D	INTACT	WHITE	BATH	b2 08	Negative	0
183	DOOR	WOOD	A	INTACT	VARNISH	BATH	b2 08	Negative	0.09
184	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b2 08	Negative	0.01
185	DOOR JAMB	WOOD	A	INTACT	VARNISH	BATH	b2 08	Negative	0
186	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b2 08	Negative	0
187	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b2 08	Negative	0.06
188	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b2 08	Negative	0.03
189	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b2 08	Negative	0
190	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b2 08	Negative	0
191	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b2 08	Negative	0
192	DOOR	WOOD	C	INTACT	VARNISH	BED 1	b2 08	Negative	0
193	DOOR CASE	WOOD	C	INTACT	VARNISH	BED 1	b2 08	Negative	0
194	DOOR JAMB	WOOD	C	INTACT	VARNISH	BED 1	b2 08	Negative	0.03
195	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b2 08	Negative	0
196	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b2 08	Negative	0
197	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b2 08	Negative	0
198	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b2 08	Negative	0
199	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b2 08	Negative	0
200	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b2 08	Negative	0.02
201	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b2 08	Negative	0.01
202	DOOR CASE	METAL	A	INTACT	BROWN	BED 2	b2 08	Negative	0.03
203	DOOR JAMB	METAL	A	INTACT	BROWN	BED 2	b2 08	Negative	0
204	WALL	DRYWALL	A	INTACT	WHITE	BED 3	b2 08	Negative	0
205	WALL	DRYWALL	B	INTACT	WHITE	BED 3	b2 08	Negative	0
206	WALL	DRYWALL	C	INTACT	WHITE	BED 3	b2 08	Negative	0
207	WALL	DRYWALL	D	INTACT	WHITE	BED 3	b2 08	Negative	0
208	CEILING	DRYWALL	A	INTACT	WHITE	BED 3	b2 08	Negative	0.06
209	BASEBOARD	WOOD	A	INTACT	WHITE	BED 3	b2 08	Negative	0
210	DOOR	WOOD	A	INTACT	VARNISH	BED 3	b2	Negative	0

							08		
211	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 3	b2 08	Negative	0
212	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 3	b2 08	Negative	0
213	COLUMN	CONCRETE	A	INTACT	WHITE	EXTERIOR	b2 06	Negative	0.06
214	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b2 06	Negative	0
215	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b2 06	Negative	0.03
216	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b2 06	Negative	0.03
217	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b2 06	Negative	0.03
218	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b2 06	Negative	0
219	RADIATOR	METAL	B	INTACT	WHITE	KITCHEN	b2 06	Negative	0.6
220	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b2 06	Negative	0
221	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b2 06	Negative	0
222	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b2 06	Negative	0
223	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b2 06	Negative	0.03
224	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b2 06	Negative	0
225	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b2 06	Negative	0
226	WALL	DRYWALL	A	INTACT	WHITE	BATH	b2 06	Negative	0
227	WALL	DRYWALL	B	INTACT	WHITE	BATH	b2 06	Negative	0.03
228	WALL	DRYWALL	C	INTACT	WHITE	BATH	b2 06	Negative	0.03
229	WALL	DRYWALL	D	INTACT	WHITE	BATH	b2 06	Negative	0
230	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b2 06	Negative	0
231	DOOR	WOOD	A	INTACT	VARNISH	BATH	b2 06	Negative	0
232	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b2 06	Negative	0
233	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b2 01	Negative	0
234	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b2 01	Negative	0
235	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b2 01	Negative	0
236	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b2 01	Negative	0
237	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b2 01	Negative	0.06
238	DOOR	METAL	A	INTACT	WHITE	LIVE RM	b2 01	Negative	0.06
239	DOOR CASE	METAL	A	INTACT	WHITE	LIVE RM	b2 01	Negative	0.01
240	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b2 01	Negative	0
241	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b2	Negative	0

							01		
242	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b2 01	Negative	0
243	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b2 01	Negative	0
244	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b2 01	Negative	0
245	RADIATOR	METAL	D	INTACT	WHITE	KITCHEN	b2 01	Negative	0
246	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b2 01	Negative	0.03
247	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b2 01	Negative	0
248	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b2 01	Negative	0.03
249	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b2 01	Negative	0
250	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b2 01	Negative	0.03
251	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b2 01	Negative	0.19
252	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b2 01	Negative	0
253	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b2 01	Negative	0
254	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b2 01	Negative	0.01
255	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b2 01	Negative	0.06
256	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b2 01	Negative	0
257	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b2 01	Negative	0
258	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b2 01	Negative	0.02
259	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b2 01	Negative	0.01
260	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b2 01	Negative	0
261	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b2 01	Negative	0
262	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b2 01	Negative	0.13
263	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b2 01	Negative	0.13
264	WALL	DRYWALL	A	INTACT	WHITE	BED 3	b2 01	Negative	0.03
265	WALL	DRYWALL	B	INTACT	WHITE	BED 3	b2 01	Negative	0
266	WALL	DRYWALL	C	INTACT	WHITE	BED 3	b2 01	Negative	0
267	WALL	DRYWALL	D	INTACT	WHITE	BED 3	b2 01	Negative	0
268	CEILING	DRYWALL	A	INTACT	WHITE	BED 3	b2 01	Negative	0.03
269	RADIATOR	METAL	C	INTACT	WHITE	BED 3	b2 01	Negative	0
270	DOOR	WOOD	A	INTACT	VARNISH	BED 3	b2 01	Negative	0
271	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 3	b2 01	Negative	0.05
272	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 3	b2	Negative	0.01

							01		
273	WALL	DRYWALL	A	INTACT	WHITE	BATH	b2 01	Negative	0
274	WALL	DRYWALL	B	INTACT	WHITE	BATH	b2 01	Negative	0
275	WALL	DRYWALL	C	INTACT	WHITE	BATH	b2 01	Negative	0.02
276	WALL	DRYWALL	D	INTACT	WHITE	BATH	b2 01	Negative	0
277	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b2 01	Negative	0.01
278	DOOR	WOOD	A	INTACT	VARNISH	BATH	b2 01	Negative	0.01
279	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b2 01	Negative	0.03
280	DOOR JAMB	WOOD	A	INTACT	VARNISH	BATH	b2 01	Negative	0.05
281	COLUMN	CONCRETE	A	INTACT	WHITE	EXTERIOR	b2 16	Negative	0
282	CEILING	DRYWALL	A	INTACT	WHITE	EXTERIOR	b2 16	Negative	0.08
283	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b2 16	Negative	0
284	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b2 16	Negative	0
285	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b2 16	Negative	0
286	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b2 16	Negative	0
287	RADIATOR	METAL	C	INTACT	WHITE	KITCHEN	b2 16	Negative	0.02
288	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b2 16	Negative	0
289	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b2 16	Negative	0.03
290	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b2 16	Negative	0
291	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b2 16	Negative	0
292	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b2 16	Negative	0
293	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b2 16	Negative	0.01
294	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b2 16	Negative	0
295	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b2 16	Negative	0.03
296	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b2 16	Negative	0
297	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b2 16	Negative	0.03
298	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b2 16	Negative	0
299	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b2 16	Negative	0.05
300	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b2 16	Negative	0.01
301	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b2 16	Negative	0
302	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b2 16	Negative	0.03
303	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b2	Negative	0

							16		
304	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b2 16	Negative	0
305	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b2 16	Negative	0
306	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b2 16	Negative	0.01
307	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b2 16	Negative	0.01
308	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b2 16	Negative	0
309	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b2 16	Negative	0.02
310	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b2 16	Negative	0.01
311	WALL	DRYWALL	A	INTACT	WHITE	BATH	b2 16	Negative	0
312	WALL	DRYWALL	B	INTACT	WHITE	BATH	b2 16	Negative	0
313	WALL	DRYWALL	C	INTACT	WHITE	BATH	b2 16	Negative	0.03
314	WALL	DRYWALL	D	INTACT	WHITE	BATH	b2 16	Negative	0
315	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b2 16	Negative	0
316	DOOR	WOOD	A	INTACT	VARNISH	BATH	b2 16	Negative	0
317	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b2 16	Negative	0.09
318	DOOR JAMB	WOOD	A	INTACT	VARNISH	BATH	b2 16	Negative	0.01
319	DOOR	METAL	A	INTACT	WHITE	ENTRANCE	b2 16	Negative	0
320	DOOR CASE	METAL	A	INTACT	WHITE	ENTRANCE	b2 16	Negative	0.14
321	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b2 18	Negative	0
322	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b2 18	Negative	0
323	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b2 18	Negative	0.03
324	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b2 18	Negative	0.06
325	DOOR	METAL	A	INTACT	WHITE	LIVE RM	b2 18	Negative	0
326	DOOR CASE	METAL	A	INTACT	WHITE	LIVE RM	b2 18	Negative	0.01
327	DOOR JAMB	METAL	A	INTACT	WHITE	LIVE RM	b2 18	Negative	0.01
328	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b2 18	Negative	0.06
329	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b2 18	Negative	0
330	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b2 18	Negative	0
331	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b2 18	Negative	0
332	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b2 18	Negative	0.02
333	RADIATOR	METAL	B	INTACT	WHITE	LIVE RM	b2 18	Negative	0
334	WALL	DRYWALL	A	INTACT	WHITE	BATH	b2	Negative	0.03

							18		
335	WALL	DRYWALL	B	INTACT	WHITE	BATH	b2 18	Negative	0
336	WALL	DRYWALL	C	INTACT	WHITE	BATH	b2 18	Negative	0.01
337	WALL	DRYWALL	D	INTACT	WHITE	BATH	b2 18	Negative	0
338	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b2 18	Negative	0
339	DOOR	WOOD	A	INTACT	VARNISH	BATH	b2 18	Negative	0
340	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b2 18	Negative	0.01
341	DOOR JAMB	WOOD	A	INTACT	VARNISH	BATH	b2 18	Negative	0.03
342	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b2 18	Negative	0
343	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b2 18	Negative	0
344	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b2 18	Negative	0.06
345	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b2 18	Negative	0.03
346	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b2 18	Negative	0
347	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b2 18	Negative	0.02
348	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b2 18	Negative	0.02
349	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b2 18	Negative	0.02
350	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b2 18	Negative	0.12
351	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b2 18	Negative	0
352	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b2 18	Negative	0
353	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b2 18	Negative	0
354	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b2 18	Negative	0
355	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b2 18	Negative	0
356	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b2 18	Negative	0.05
357	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b2 18	Negative	0.05
358	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b2 18	Negative	0.06
359	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b2 18	Negative	0.01
360	WALL	DRYWALL	A	INTACT	WHITE	BED 3	b2 18	Negative	0.03
361	WALL	DRYWALL	B	INTACT	WHITE	BED 3	b2 18	Negative	0
362	WALL	DRYWALL	C	INTACT	WHITE	BED 3	b2 18	Negative	0
363	WALL	DRYWALL	D	INTACT	WHITE	BED 3	b2 18	Negative	0.02
364	CEILING	DRYWALL	A	INTACT	WHITE	BED 3	b2 18	Negative	0
365	RADIATOR	METAL	C	INTACT	WHITE	BED 3	b2	Negative	0

							18		
366	DOOR	WOOD	A	INTACT	VARNISH	BED 3	b2 18	Negative	0
367	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 3	b2 18	Negative	0.01
368	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 3	b2 18	Negative	0.24
369	WALL	DRYWALL	A	INTACT	WHITE	HALL	b2 18	Negative	0
370	WALL	DRYWALL	B	INTACT	WHITE	HALL	b2 18	Negative	0
371	WALL	DRYWALL	C	INTACT	WHITE	HALL	b2 18	Negative	0
372	WALL	DRYWALL	D	INTACT	WHITE	HALL	b2 18	Negative	0.12
373	CEILING	DRYWALL	A	INTACT	WHITE	HALL	b2 18	Negative	0
374	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b3 08	Negative	0.06
375	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b3 08	Negative	0
376	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b3 08	Negative	0
377	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b3 08	Negative	0.03
378	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b3 08	Negative	0
379	RADIATOR	METAL	B	INTACT	WHITE	LIVE RM	b3 08	Negative	0
380	DOOR	METAL	A	INTACT	WHITE	LIVE RM	b3 08	Negative	0
381	DOOR CASE	METAL	A	INTACT	WHITE	LIVE RM	b3 08	Negative	0
382	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b3 08	Negative	0
383	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b3 08	Negative	0.03
384	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b3 08	Negative	0.02
385	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b3 08	Negative	0
386	RADIATOR	METAL	B	INTACT	WHITE	KITCHEN	b3 08	Negative	0
387	WALL	DRYWALL	A	INTACT	WHITE	BATH	b3 08	Negative	0
388	WALL	DRYWALL	B	INTACT	WHITE	BATH	b3 08	Negative	0
389	WALL	DRYWALL	C	INTACT	WHITE	BATH	b3 08	Negative	0
390	WALL	DRYWALL	D	INTACT	WHITE	BATH	b3 08	Negative	0
391	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b3 08	Negative	0
392	DOOR	WOOD	A	INTACT	VARNISH	BATH	b3 08	Negative	0
393	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b3 08	Negative	0
394	DOOR JAMB	WOOD	A	INTACT	VARNISH	BATH	b3 08	Negative	0
395	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b3 08	Negative	0
396	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b3	Negative	0

							08		
397	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b3 08	Negative	0
398	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b3 08	Negative	0
399	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b3 08	Negative	0
400	WINDOW SILL	WOOD	C	INTACT	WHITE	BED 1	b3 08	Negative	0
401	RADIATOR	WOOD	C	INTACT	WHITE	BED 1	b3 08	Negative	0
402	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b3 08	Negative	0
403	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b3 08	Negative	0
404	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b3 08	Negative	0
405	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b3 08	Negative	0
406	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b3 08	Negative	0
407	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b3 08	Negative	0
408	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b3 08	Negative	0
409	WINDOW SILL	WOOD	C	INTACT	WHITE	BED 2	b3 08	Negative	0.01
410	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b3 08	Negative	0.01
411	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b3 08	Negative	0
412	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b3 08	Negative	0
413	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b3 08	Negative	0
414	WALL	DRYWALL	A	INTACT	WHITE	BED 3	b3 08	Negative	0
415	WALL	DRYWALL	B	INTACT	WHITE	BED 3	b3 08	Negative	0.05
416	WALL	DRYWALL	C	INTACT	WHITE	BED 3	b3 08	Negative	0.01
417	WALL	DRYWALL	D	INTACT	WHITE	BED 3	b3 08	Negative	0
418	CEILING	DRYWALL	A	INTACT	WHITE	BED 3	b3 08	Negative	0
419	RADIATOR	METAL	C	INTACT	WHITE	BED 3	b3 08	Negative	0.03
420	DOOR	WOOD	A	INTACT	VARNISH	BED 3	b3 08	Negative	0
421	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 3	b3 08	Negative	0
422	WALL	DRYWALL	A	INTACT	WHITE	HALL	b3 08	Negative	0
423	WALL	DRYWALL	B	INTACT	WHITE	HALL	b3 08	Negative	0
424	WALL	DRYWALL	C	INTACT	WHITE	HALL	b3 08	Negative	0
425	WALL	DRYWALL	D	INTACT	WHITE	HALL	b3 08	Negative	0
426	COLUMN	CONCRETE	A	INTACT	WHITE	EXTERIOR	b3 08	Negative	0
427	WALL	DRYWALL	A	INTACT	WHITE	BATH	b3	Negative	0.02

							10		
428	WALL	DRYWALL	B	INTACT	WHITE	BATH	b3 10	Negative	0
429	WALL	DRYWALL	C	INTACT	WHITE	BATH	b3 10	Negative	0
430	WALL	DRYWALL	D	INTACT	WHITE	BATH	b3 10	Negative	0
431	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b3 10	Negative	0
432	DOOR	WOOD	A	INTACT	VARNISH	BATH	b3 10	Negative	0
433	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b3 10	Negative	0.01
434	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b3 10	Negative	0.01
435	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b3 10	Negative	0.03
436	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b3 10	Negative	0
437	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b3 10	Negative	0
438	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b3 10	Negative	0
439	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b3 10	Negative	0
440	DOOR	WOOD	C	INTACT	VARNISH	BED 1	b3 10	Negative	0.01
441	DOOR CASE	WOOD	C	INTACT	VARNISH	BED 1	b3 10	Negative	0.03
442	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b3 10	Negative	0.03
443	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b3 10	Negative	0
444	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b3 10	Negative	0
445	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b3 10	Negative	0
446	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b3 10	Negative	0
447	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b3 10	Negative	0.01
448	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b3 10	Negative	0
449	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b3 10	Negative	0
450	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b3 10	Negative	0.01
451	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b3 10	Negative	0
452	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b3 10	Negative	0
453	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b3 10	Negative	0.01
454	RADIATOR	METAL	C	INTACT	WHITE	LIVE RM	b3 10	Negative	0
455	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b3 10	Negative	0.01
456	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b3 10	Negative	0.03
457	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b3 10	Negative	0
458	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b3	Negative	0

							10		
459	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b3 10	Negative	0
460	RADIATOR	WOOD	D	INTACT	WHITE	KITCHEN	b3 10	Negative	0
461	WALL	DRYWALL	A	INTACT	WHITE	HALL	b3 10	Negative	0
462	WALL	DRYWALL	B	INTACT	WHITE	HALL	b3 10	Negative	0
463	WALL	DRYWALL	C	INTACT	WHITE	HALL	b3 10	Negative	0
464	WALL	DRYWALL	D	INTACT	WHITE	HALL	b3 10	Negative	0
465	DOOR	METAL	A	INTACT	WHITE	HALL	b3 10	Negative	0
466	DOOR CASE	METAL	A	INTACT	WHITE	HALL	b3 10	Negative	0.06
467	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b3 12	Negative	0
468	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b3 12	Negative	0
469	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b3 12	Negative	0
470	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b3 12	Negative	0
471	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b3 12	Negative	0
472	WINDOW SILL	WOOD	A	INTACT	WHITE	LIVE RM	b3 12	Negative	0.03
473	DOOR	METAL	A	INTACT	WHITE	LIVE RM	b3 12	Negative	0
474	DOOR CASE	METAL	A	INTACT	WHITE	LIVE RM	b3 12	Negative	0.01
475	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b3 12	Negative	0
476	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b3 12	Negative	0
477	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b3 12	Negative	0.04
478	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b3 12	Negative	0
479	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b3 12	Negative	0
480	RADIATOR	METAL	B	INTACT	WHITE	KITCHEN	b3 12	Negative	0
481	WALL	DRYWALL	A	INTACT	WHITE	BATH	b3 12	Negative	0
482	WALL	DRYWALL	B	INTACT	WHITE	BATH	b3 12	Negative	0.01
483	WALL	DRYWALL	C	INTACT	WHITE	BATH	b3 12	Negative	0
484	WALL	DRYWALL	D	INTACT	WHITE	BATH	b3 12	Negative	0
485	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b3 12	Negative	0
486	DOOR	WOOD	A	INTACT	VARNISH	BATH	b3 12	Negative	0.05
487	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b3 12	Negative	0.02
488	DOOR JAMB	WOOD	A	INTACT	VARNISH	BATH	b3 12	Negative	0.01
489	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b3	Negative	0

							12		
490	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b3 12	Negative	0.03
491	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b3 12	Negative	0
492	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b3 12	Negative	0
493	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b3 12	Negative	0
494	WINDOW SILL	WOOD	C	INTACT	WHITE	BED 1	b3 12	Negative	0.01
495	RADIATOR	WOOD	C	INTACT	WHITE	BED 1	b3 12	Negative	0
496	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b3 12	Negative	0
497	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b3 12	Negative	0
498	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b3 12	Negative	0
499	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b3 12	Negative	0
500	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b3 12	Negative	0
501	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b3 12	Negative	0.04
502	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b3 12	Negative	0
503	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b3 12	Negative	0
504	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b3 12	Negative	0
505	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b3 12	Negative	0
506	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b3 12	Negative	0
507	WALL	DRYWALL	A	INTACT	WHITE	BED 3	b3 12	Negative	0
508	WALL	DRYWALL	B	INTACT	WHITE	BED 3	b3 12	Negative	0.03
509	WALL	DRYWALL	C	INTACT	WHITE	BED 3	b3 12	Negative	0
510	WALL	DRYWALL	D	INTACT	WHITE	BED 3	b3 12	Negative	0
511	CEILING	DRYWALL	A	INTACT	WHITE	BED 3	b3 12	Negative	0.03
512	RADIATOR	METAL	C	INTACT	WHITE	BED 3	b3 12	Negative	0
513	DOOR	WOOD	A	INTACT	VARNISH	BED 3	b3 12	Negative	0
514	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 3	b3 12	Negative	0.03
515	WALL	DRYWALL	A	INTACT	WHITE	HALL	b3 12	Negative	0
516	WALL	DRYWALL	B	INTACT	WHITE	HALL	b3 12	Negative	0.03
517	WALL	DRYWALL	C	INTACT	WHITE	HALL	b3 12	Negative	0
518	WALL	DRYWALL	D	INTACT	WHITE	HALL	b3 12	Negative	0
519	CEILING	DRYWALL	A	INTACT	WHITE	HALL	b3 12	Negative	0
520	COLUMN	CONCRETE	A	INTACT	WHITE	HALL	b3	Negative	0

							12		
521	CEILING	DRYWALL	A	INTACT	WHITE	HALL	b3 12	Negative	0.01
522	WALL	DRYWALL	A	INTACT	WHITE	BATH	b4 02	Negative	0
523	WALL	DRYWALL	B	INTACT	WHITE	BATH	b4 02	Negative	0.01
524	WALL	DRYWALL	C	INTACT	WHITE	BATH	b4 02	Negative	0
525	WALL	DRYWALL	D	INTACT	WHITE	BATH	b4 02	Negative	0
526	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b4 02	Negative	0
527	DOOR	WOOD	A	INTACT	VARNISH	BATH	b4 02	Negative	0
528	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b4 02	Negative	0
529	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b4 02	Negative	0.09
530	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b4 02	Negative	0.01
531	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b4 02	Negative	0
532	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b4 02	Negative	0
533	WINDOW SILL	METAL	C	INTACT	WHITE	BED 1	b4 02	Negative	0.06
534	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b4 02	Positive	2.6
535	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b4 02	Negative	0
536	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b4 02	Negative	0.01
537	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b4 02	Negative	0
538	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b4 02	Negative	0
539	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b4 02	Negative	0
540	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b4 02	Negative	0.01
541	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b4 02	Negative	0
542	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b4 02	Negative	0
543	RADIATOR	METAL	C	POOR	WHITE	LIVE RM	b4 02	Positive	3.7
544	WINDOW SILL	WOOD	C	POOR	WHITE	LIVE RM	b4 02	Negative	0.05
545	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b4 02	Negative	0
546	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b4 02	Negative	0
547	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b4 02	Negative	0.01
548	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b4 02	Negative	0.09
549	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b4 02	Negative	0
550	RADIATOR	METAL	A	INTACT	WHITE	KITCHEN	b4 02	Positive	3.4
551	WINDOW SILL	METAL	A	INTACT	WHITE	KITCHEN	b4	Negative	0.03

							02		
552	WALL	DRYWALL	A	INTACT	WHITE	HALL	b4 02	Negative	0
553	WALL	DRYWALL	B	INTACT	WHITE	HALL	b4 02	Negative	0
554	WALL	DRYWALL	C	INTACT	WHITE	HALL	b4 02	Negative	0
555	RADIATOR	METAL	D	INTACT	WHITE	HALL	b4 02	Positive	1.8
556	WALL	DRYWALL	A	INTACT	WHITE	BATH	b4 02	Negative	0
557	WALL	DRYWALL	C	INTACT	WHITE	BATH	b4 02	Negative	0
558	WALL	DRYWALL	D	INTACT	WHITE	BATH	b4 02	Negative	0
559	DOOR	WOOD	A	INTACT	VARNISH	BATH	b4 02	Negative	0.01
560	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b4 02	Negative	0.01
561	DOOR JAMB	WOOD	A	INTACT	VARNISH	BATH	b4 02	Negative	0.01
562	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b4 04	Negative	0
563	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b4 04	Negative	0
564	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b4 04	Negative	0
565	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b4 04	Negative	0
566	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b4 04	Negative	0
567	RADIATOR	METAL	B	INTACT	WHITE	LIVE RM	b4 04	Negative	0
568	BASEBOARD	WOOD	C	INTACT	WHITE	LIVE RM	b4 04	Negative	0
569	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b4 04	Negative	0
570	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b4 04	Negative	0.03
571	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b4 04	Negative	0
572	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b4 04	Negative	0.01
573	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b4 04	Negative	0
574	WINDOW SILL	WOOD	B	INTACT	WHITE	KITCHEN	b4 04	Negative	0
575	RADIATOR	WOOD	B	INTACT	WHITE	KITCHEN	b4 04	Negative	0.02
576	WALL	DRYWALL	A	INTACT	WHITE	BATH	b4 04	Negative	0
577	WALL	DRYWALL	B	INTACT	WHITE	BATH	b4 04	Negative	0
578	WALL	DRYWALL	C	INTACT	WHITE	BATH	b4 04	Negative	0
579	WALL	DRYWALL	D	INTACT	WHITE	BATH	b4 04	Negative	0
580	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b4 04	Negative	0
581	DOOR	WOOD	D	INTACT	VARNISH	BATH	b4 04	Negative	0
582	DOOR CASE	DRYWALL	D	INTACT	VARNISH	BATH	b4	Negative	0

							04		
583	DOOR JAMB	WOOD	D	INTACT	VARNISH	BATH	b4 04	Negative	0
584	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b4 04	Negative	0
585	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b4 04	Negative	0
586	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b4 04	Negative	0
587	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b4 04	Negative	0
588	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b4 04	Negative	0
589	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b4 04	Negative	0
590	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b4 04	Negative	0
591	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b4 04	Negative	0
592	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b4 04	Negative	0.01
593	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b4 04	Negative	0.03
594	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b4 04	Negative	0
595	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b4 04	Negative	0.05
596	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b4 04	Negative	0.03
597	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b4 04	Negative	0
598	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b4 04	Negative	0.6
599	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b4 04	Negative	0.13
600	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b4 04	Negative	0
601	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b4 04	Negative	0.01
602	WALL	DRYWALL	A	INTACT	WHITE	BED 3	b4 04	Negative	0
603	WALL	DRYWALL	B	INTACT	WHITE	BED 3	b4 04	Negative	0
604	WALL	DRYWALL	C	INTACT	WHITE	BED 3	b4 04	Negative	0.01
605	WALL	DRYWALL	D	INTACT	WHITE	BED 3	b4 04	Negative	0
606	CEILING	DRYWALL	A	INTACT	WHITE	BED 3	b4 04	Negative	0
607	RADIATOR	METAL	C	INTACT	WHITE	BED 3	b4 04	Negative	0.02
608	DOOR	WOOD	A	INTACT	VARNISH	BED 3	b4 04	Negative	0
609	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 3	b4 04	Negative	0.03
610	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b4 09	Negative	0.03
611	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b4 09	Negative	0
612	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b4 09	Negative	0
613	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b4	Negative	0

							09		
614	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b4 09	Negative	0
615	RADIATOR	METAL	D	INTACT	WHITE	LIVE RM	b4 09	Negative	0
616	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b4 09	Negative	0
617	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b4 09	Negative	0
618	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b4 09	Negative	0.03
619	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b4 09	Negative	0.03
620	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b4 09	Negative	0
621	RADIATOR	METAL	C	INTACT	WHITE	KITCHEN	b4 09	Negative	0.29
622	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b4 09	Negative	0.03
623	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b4 09	Negative	0
624	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b4 09	Negative	0
625	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b4 09	Negative	0
626	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b4 09	Negative	0
627	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b4 09	Negative	0.02
628	DOOR	WOOD	A	INTACT	WHITE	BED 1	b4 09	Negative	0
629	DOOR CASE	WOOD	A	INTACT	WHITE	BED 1	b4 09	Negative	0
630	DOOR JAMB	WOOD	A	INTACT	WHITE	BED 1	b4 09	Negative	0
631	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b4 09	Negative	0.06
632	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b4 09	Negative	0
633	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b4 09	Negative	0
634	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b4 09	Negative	0.03
635	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b4 09	Negative	0
636	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b4 09	Negative	0
637	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b4 09	Negative	0
638	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b4 09	Negative	0
639	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b4 09	Negative	0.02
640	WALL	DRYWALL	A	INTACT	WHITE	BATH	b4 09	Negative	0
641	WALL	DRYWALL	B	INTACT	WHITE	BATH	b4 09	Negative	0
642	WALL	DRYWALL	C	INTACT	WHITE	BATH	b4 09	Negative	0
643	WALL	DRYWALL	D	INTACT	WHITE	BATH	b4 09	Negative	0
644	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b4	Negative	0

							09		
645	DOOR	WOOD	A	INTACT	VARNISH	BATH	b4 09	Negative	0.02
646	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b4 09	Negative	0
647	WALL	DRYWALL	A	INTACT	WHITE	BED 3	b4 09	Negative	0
648	WALL	DRYWALL	B	INTACT	WHITE	BED 3	b4 09	Negative	0
649	WALL	DRYWALL	C	INTACT	WHITE	BED 3	b4 09	Negative	0.02
650	WALL	DRYWALL	D	INTACT	WHITE	BED 3	b4 09	Negative	0.01
651	CEILING	DRYWALL	A	INTACT	WHITE	BED 3	b4 09	Negative	0.03
652	RADIATOR	METAL	D	INTACT	WHITE	BED 3	b4 09	Negative	0
653	DOOR	WOOD	A	INTACT	VARNISH	BED 3	b4 09	Negative	0
654	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 3	b4 09	Negative	0.05
655	WALL	DRYWALL	A	INTACT	WHITE	BED 4	b4 09	Negative	0
656	WALL	DRYWALL	B	INTACT	WHITE	BED 4	b4 09	Negative	0
657	WALL	DRYWALL	C	INTACT	WHITE	BED 4	b4 09	Negative	0
658	WALL	DRYWALL	D	INTACT	WHITE	BED 4	b4 09	Negative	0.05
659	CEILING	DRYWALL	A	INTACT	WHITE	BED 4	b4 09	Negative	0.03
660	RADIATOR	METAL	C	INTACT	WHITE	BED 4	b4 09	Negative	0.01
661	DOOR	WOOD	A	INTACT	VARNISH	BED 4	b4 09	Negative	0
662	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 4	b4 09	Negative	0.01
663	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 4	b4 09	Negative	0.01
664	WALL	DRYWALL	A	INTACT	WHITE	HALL	b4 09	Negative	0.03
665	WALL	DRYWALL	B	INTACT	WHITE	HALL	b4 09	Negative	0.06
666	WALL	DRYWALL	C	INTACT	WHITE	HALL	b4 09	Negative	0
667	WALL	DRYWALL	D	INTACT	WHITE	HALL	b4 09	Negative	0.03
668	COLUMN	CONCRETE	A	INTACT	WHITE	EXTERIOR	b4 09	Negative	0
669	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b5 08	Negative	0.1
670	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b5 08	Negative	0
671	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b5 08	Negative	0
672	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b5 08	Negative	0.05
673	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b5 08	Negative	0
674	WINDOW SILL	WOOD	B	INTACT	WHITE	LIVE RM	b5 08	Negative	0
675	RADIATOR	METAL	B	INTACT	WHITE	LIVE RM	b5	Positive	1.3

							08		
676	DOOR	WOOD	A	INTACT	WHITE	LIVE RM	b5 08	Negative	0
677	DOOR CASE	WOOD	A	INTACT	WHITE	LIVE RM	b5 08	Negative	0
678	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b5 08	Negative	0
679	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b5 08	Negative	0
680	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b5 08	Negative	0
681	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b5 08	Negative	0
682	WINDOW SILL	WOOD	B	INTACT	WHITE	KITCHEN	b5 08	Negative	0.03
683	RADIATOR	METAL	B	POOR	WHITE	KITCHEN	b5 08	Positive	1.1
684	WALL	DRYWALL	A	INTACT	WHITE	BATH	b5 08	Negative	0.06
685	WALL	DRYWALL	B	INTACT	WHITE	BATH	b5 08	Negative	0
686	WALL	DRYWALL	C	INTACT	WHITE	BATH	b5 08	Negative	0
687	WALL	DRYWALL	D	INTACT	WHITE	BATH	b5 08	Negative	0.03
688	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b5 08	Negative	0
689	DOOR	WOOD	C	INTACT	VARNISH	BATH	b5 08	Negative	0.02
690	DOOR CASE	METAL	C	INTACT	VARNISH	BATH	b5 08	Negative	0.01
691	DOOR JAMB	METAL	C	INTACT	VARNISH	BATH	b5 08	Negative	0
692	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b5 08	Negative	0
693	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b5 08	Negative	0.09
694	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b5 08	Negative	0
695	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b5 08	Negative	0
696	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b5 08	Negative	0
697	WINDOW SILL	WOOD	C	INTACT	WHITE	BED 1	b5 08	Negative	0.02
698	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b5 08	Positive	2.3
699	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b5 08	Negative	0
700	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b5 08	Negative	0.03
701	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b5 08	Negative	0.03
702	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b5 08	Negative	0.05
703	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b5 08	Negative	0.03
704	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b5 08	Negative	0.07
705	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b5 08	Negative	0
706	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b5	Negative	0

							08		
707	WINDOW SILL	WOOD	C	INTACT	WHITE	BED 2	b5 08	Negative	0.01
708	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b5 08	Positive	4.3
709	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b5 08	Negative	0.02
710	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b5 08	Negative	0
711	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b5 08	Negative	0.01
712	WALL	DRYWALL	A	INTACT	WHITE	BED 3	b5 08	Negative	0.03
713	WALL	DRYWALL	B	INTACT	WHITE	BED 3	b5 08	Negative	0.03
714	WALL	DRYWALL	C	INTACT	WHITE	BED 3	b5 08	Negative	0
715	WALL	DRYWALL	D	INTACT	WHITE	BED 3	b5 08	Negative	0
716	CEILING	DRYWALL	A	INTACT	WHITE	BED 3	b5 08	Negative	0
717	RADIATOR	METAL	C	POOR	WHITE	BED 3	b5 08	Positive	2
718	DOOR	WOOD	A	INTACT	VARNISH	BED 3	b5 08	Negative	0.01
719	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 3	b5 08	Negative	0.03
720	WALL	DRYWALL	A	INTACT	WHITE	BATH	b5 10	Negative	0.03
721	WALL	DRYWALL	B	INTACT	WHITE	BATH	b5 10	Negative	0
722	WALL	DRYWALL	C	INTACT	WHITE	BATH	b5 10	Negative	0.03
723	WALL	DRYWALL	D	INTACT	WHITE	BATH	b5 10	Negative	0
724	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b5 10	Negative	0
725	DOOR	WOOD	A	INTACT	VARNISH	BATH	b5 10	Negative	0.01
726	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b5 10	Negative	0.02
727	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b5 10	Negative	0
728	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b5 10	Negative	0
729	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b5 10	Negative	0
730	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b5 10	Negative	0
731	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b5 10	Negative	0
732	WINDOW SILL	WOOD	C	INTACT	WHITE	BED 1	b5 10	Negative	0.01
733	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b5 10	Positive	5.8
734	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b5 10	Negative	0
735	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b5 10	Negative	0.04
736	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b5 10	Negative	0.06
737	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b5	Negative	0

							10		
738	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b5 10	Negative	0.06
739	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b5 10	Negative	0.03
740	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b5 10	Negative	0
741	WINDOW SILL	WOOD	C	INTACT	WHITE	BED 2	b5 10	Negative	0.1
742	RADIATOR	METAL	C	POOR	WHITE	BED 2	b5 10	Positive	3.8
743	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b5 10	Negative	0
744	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b5 10	Negative	0.01
745	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b5 10	Negative	0
746	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b5 10	Negative	0.01
747	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b5 10	Negative	0
748	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b5 10	Negative	0.03
749	RADIATOR	METAL	C	INTACT	WHITE	LIVE RM	b5 10	Positive	3.8
750	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b5 10	Negative	0.01
751	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b5 10	Negative	0
752	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b5 10	Negative	0
753	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b5 10	Negative	0
754	WINDOW SILL	WOOD	D	INTACT	WHITE	KITCHEN	b5 10	Negative	0.28
755	RADIATOR	METAL	D	INTACT	WHITE	KITCHEN	b5 10	Positive	4
756	WALL	DRYWALL	A	INTACT	WHITE	HALL	b5 10	Negative	0
757	WALL	DRYWALL	B	INTACT	WHITE	HALL	b5 10	Negative	0
758	WALL	DRYWALL	C	INTACT	WHITE	HALL	b5 10	Negative	0
759	WALL	DRYWALL	D	INTACT	WHITE	HALL	b5 10	Negative	0.08
760	DOOR	METAL	A	INTACT	WHITE	HALL	b5 10	Negative	0
761	DOOR CASE	METAL	A	INTACT	WHITE	HALL	b5 10	Negative	0.07
762			Cali						1.1
763			Cali						1
764			Cali						1
765	COLUMN	CONCRETE	A	INTACT	WHITE	EXTERIOR	b5 11	Negative	0
766	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b5 11	Negative	0
767	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b5 11	Negative	0
768	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b5 11	Negative	0
769	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b5 11	Negative	0.14

770	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b5 11	Negative	0
771	RADIATOR	METAL	A	INTACT	WHITE	LIVE RM	b5 11	Positive	1.6
772	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b5 11	Negative	0
773	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b5 11	Negative	0
774	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b5 11	Negative	0
775	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b5 11	Negative	0
776	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b5 11	Negative	0
777	BASEBOARD	WOOD	A	INTACT	WHITE	LIVE RM	b5 11	Negative	0
778	RADIATOR	METAL	A	INTACT	WHITE	LIVE RM	b5 11	Positive	3.1
779	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b5 11	Negative	0
780	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b5 11	Negative	0.06
781	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b5 11	Negative	0
782	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b5 11	Negative	0
783	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b5 11	Negative	0
784	BASEBOARD	WOOD	A	INTACT	WHITE	BED 1	b5 11	Negative	0
785	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b5 11	Positive	3.7
786	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b5 11	Negative	0
787	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b5 11	Negative	0
788	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b5 11	Negative	0.02
789	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b5 11	Negative	0.03
790	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b5 11	Negative	0
791	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b5 11	Negative	0
792	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b5 11	Negative	0.01
793	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b5 11	Negative	0
794	BASEBOARD	WOOD	A	INTACT	WHITE	BED 2	b5 11	Negative	0
795	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b5 11	Positive	4.1
796	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b5 11	Negative	0.01
797	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b5 11	Negative	0.01
798	WALL	DRYWALL	A	INTACT	WHITE	BATH	b5 11	Negative	0
799	WALL	DRYWALL	B	INTACT	WHITE	BATH	b5 11	Negative	0
800	WALL	DRYWALL	C	INTACT	WHITE	BATH	b5 11	Negative	0

801	WALL	DRYWALL	D	INTACT	WHITE	BATH	b5 11	Negative	0
802	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b5 11	Negative	0
803	DOOR	WOOD	A	INTACT	VARNISH	BATH	b5 11	Negative	0
804	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b5 11	Negative	0
805	WALL	DRYWALL	A	INTACT	WHITE	BATH	b5 11	Negative	0
806	WALL	DRYWALL	B	INTACT	WHITE	BATH	b5 11	Negative	0.01
807	WALL	DRYWALL	C	INTACT	WHITE	BATH	b5 11	Negative	0.03
808	WALL	DRYWALL	D	INTACT	WHITE	BATH	b5 11	Negative	0
809	DOOR	METAL	A	INTACT	WHITE	BATH	b5 11	Negative	0
810	DOOR CASE	METAL	A	INTACT	WHITE	BATH	b5 11	Negative	0
811	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b5 12	Negative	0
812	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b5 12	Negative	0
813	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b5 12	Negative	0.06
814	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b5 12	Negative	0
815	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b5 12	Negative	0
816	DOOR	METAL	A	INTACT	WHITE	LIVE RM	b5 12	Negative	0
817	DOOR CASE	METAL	A	INTACT	WHITE	LIVE RM	b5 12	Negative	0.06
818	WINDOW SILL	WOOD	B	INTACT	WHITE	LIVE RM	b5 12	Negative	0.06
819	RADIATOR	METAL	B	INTACT	BROWN	LIVE RM	b5 12	Negative	0.07
820	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b5 12	Negative	0
821	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b5 12	Negative	0
822	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b5 12	Negative	0.02
823	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b5 12	Negative	0
824	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b5 12	Negative	0
825	RADIATOR	METAL	B	INTACT	BROWN	KITCHEN	b5 12	Negative	0
826	WALL	DRYWALL	A	INTACT	WHITE	BATH	b5 12	Negative	0.03
827	WALL	DRYWALL	B	INTACT	WHITE	BATH	b5 12	Negative	0
828	WALL	DRYWALL	C	INTACT	WHITE	BATH	b5 12	Negative	0.03
829	WALL	DRYWALL	D	INTACT	WHITE	BATH	b5 12	Negative	0
830	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b5 12	Negative	0
831	DOOR	WOOD	A	INTACT	VARNISH	BATH	b5 12	Negative	0.01

832	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b5 12	Negative	0.01
833	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b5 12	Negative	0
834	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b5 12	Negative	0
835	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b5 12	Negative	0.01
836	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b5 12	Negative	0
837	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b5 12	Negative	0.01
838	RADIATOR	METAL	C	INTACT	BROWN	BED 1	b5 12	Negative	0.01
839	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b5 12	Negative	0
840	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b5 12	Negative	0.01
841	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b5 12	Negative	0.1
842	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b5 12	Negative	0.02
843	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b5 12	Negative	0.01
844	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b5 12	Negative	0
845	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b5 12	Negative	0
846	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b5 12	Negative	0
847	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b5 12	Positive	2.7
848	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b5 12	Negative	0
849	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b5 12	Negative	0.01
850	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b5 12	Negative	0
851	WALL	DRYWALL	A	INTACT	WHITE	BED 3	b5 12	Negative	0
852	WALL	DRYWALL	B	INTACT	WHITE	BED 3	b5 12	Negative	0
853	WALL	DRYWALL	C	INTACT	WHITE	BED 3	b5 12	Negative	0
854	WALL	DRYWALL	D	INTACT	WHITE	BED 3	b5 12	Negative	0
855	CEILING	DRYWALL	A	INTACT	WHITE	BED 3	b5 12	Negative	0
856	RADIATOR	METAL	C	INTACT	WHITE	BED 3	b5 12	Positive	3.8
857	DOOR	WOOD	A	INTACT	VARNISH	BED 3	b5 12	Negative	0
858	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 3	b5 12	Negative	0.01
859	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b1 21	Negative	0.03
860	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b1 21	Negative	0.03
861	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b1 21	Negative	0
862	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b1 21	Negative	0

863	RADIATOR	METAL	D	INTACT	WHITE	LIVE RM	b1 21	Negative	0.01
864	DOOR	METAL	B	INTACT	WHITE	LIVE RM	b1 21	Negative	0
865	DOOR CASE	METAL	B	INTACT	WHITE	LIVE RM	b1 21	Negative	0.01
866	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b1 21	Negative	0.03
867	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b1 21	Negative	0
868	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b1 21	Negative	0
869	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b1 21	Negative	0.03
870	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b1 21	Negative	0.04
871	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b1 21	Negative	0
872	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b1 21	Negative	0.02
873	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b1 21	Negative	0
874	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b1 21	Negative	0
875	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b1 21	Negative	0
876	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b1 21	Negative	0
877	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b1 21	Negative	0.06
878	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b1 21	Negative	0
879	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b1 21	Negative	0
880	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b1 21	Negative	0.07
881	WALL	DRYWALL	A	INTACT	WHITE	BATH	b1 21	Negative	0
882	WALL	DRYWALL	B	INTACT	WHITE	BATH	b1 21	Negative	0
883	WALL	DRYWALL	C	INTACT	WHITE	BATH	b1 21	Negative	0.03
884	WALL	DRYWALL	D	INTACT	WHITE	BATH	b1 21	Negative	0
885	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b1 21	Negative	0
886	DOOR	WOOD	A	INTACT	VARNISH	BATH	b1 21	Negative	0.01
887	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b1 21	Negative	0.04
888	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b1 21	Negative	0
889	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b1 21	Negative	0
890	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b1 21	Negative	0
891	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b1 21	Negative	0
892	RADIATOR	METAL	C	INTACT	WHITE	KITCHEN	b1 21	Negative	0.4
893	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b1 04	Negative	0

894	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b1 04	Negative	0
895	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b1 04	Negative	0
896	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b1 04	Negative	0
897	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b1 04	Negative	0
898	RADIATOR	METAL	C	INTACT	WHITE	KITCHEN	b1 04	Negative	0.06
899	WALL	DRYWALL	A	INTACT	WHITE	BATH	b1 04	Negative	0
900	WALL	DRYWALL	B	INTACT	WHITE	BATH	b1 04	Negative	0
901	WALL	DRYWALL	C	INTACT	WHITE	BATH	b1 04	Negative	0
902	WALL	DRYWALL	D	INTACT	WHITE	BATH	b1 04	Negative	0.01
903	CEILING	DRYWALL	A	INTACT	WHITE	BATH	b1 04	Negative	0
904	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b1 04	Negative	0
905	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b1 04	Negative	0
906	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b1 04	Negative	0
907	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b1 04	Negative	0
908	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b1 04	Negative	0
909	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b1 04	Negative	0.06
910	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b1 04	Negative	0
911	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b1 04	Negative	0
912	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b1 04	Negative	0
913	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b1 04	Negative	0
914	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b1 04	Negative	0
915	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b1 04	Negative	0
916	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b1 04	Negative	0
917	CEILING	DRYWALL	A	INTACT	WHITE	BED 2	b1 04	Negative	0
918	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b1 04	Negative	0.01
919	DOOR	WOOD	A	INTACT	VARNISH	BED 2	b1 04	Negative	0.05
920	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 2	b1 04	Negative	0
921	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 2	b1 04	Negative	0.01
922	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b1 04	Negative	0
923	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b1 04	Negative	0
924	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b1 04	Negative	0

925	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b1 04	Negative	0
926	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b1 04	Negative	0
927	RADIATOR	METAL	B	INTACT	WHITE	LIVE RM	b1 04	Negative	0.01
928	DOOR	METAL	A	INTACT	WHITE	LIVE RM	b1 04	Negative	0
929	DOOR CASE	METAL	A	INTACT	WHITE	LIVE RM	b1 04	Negative	0.01
930	WALL	DRYWALL	A	INTACT	WHITE	BATH	b1 02	Negative	0
931	WALL	DRYWALL	B	INTACT	WHITE	BATH	b1 02	Negative	0
932	WALL	DRYWALL	C	INTACT	WHITE	BATH	b1 02	Negative	0
933	WALL	DRYWALL	D	INTACT	WHITE	BATH	b1 02	Negative	0.06
934	DOOR	WOOD	A	INTACT	VARNISH	BATH	b1 02	Negative	0.02
935	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b1 02	Negative	0
936	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b1 02	Negative	0.03
937	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b1 02	Negative	0
938	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b1 02	Negative	0
939	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b1 02	Negative	0.03
940	CEILING	DRYWALL	A	INTACT	WHITE	BED 1	b1 02	Negative	0
941	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b1 02	Negative	0.01
942	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b1 02	Negative	0.05
943	DOOR CASE	WOOD	A	INTACT	VARNISH	BED 1	b1 02	Negative	0.06
944	DOOR JAMB	WOOD	A	INTACT	VARNISH	BED 1	b1 02	Negative	0.01
945	WALL	DRYWALL	A	INTACT	WHITE	LIVE RM	b1 02	Negative	0
946	WALL	DRYWALL	B	INTACT	WHITE	LIVE RM	b1 02	Negative	0
947	WALL	DRYWALL	C	INTACT	WHITE	LIVE RM	b1 02	Negative	0
948	WALL	DRYWALL	D	INTACT	WHITE	LIVE RM	b1 02	Negative	0
949	CEILING	DRYWALL	A	INTACT	WHITE	LIVE RM	b1 02	Negative	0.06
950	RADIATOR	METAL	C	INTACT	WHITE	LIVE RM	b1 02	Negative	0.01
951	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b1 02	Negative	0
952	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b1 02	Negative	0
953	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b1 02	Negative	0
954	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b1 02	Negative	0
955	RADIATOR	METAL	A	INTACT	WHITE	KITCHEN	b1 02	Negative	0

956	WALL	DRYWALL	A	INTACT	WHITE	HALL	b1 02	Negative	0
957	WALL	DRYWALL	B	INTACT	WHITE	HALL	b1 02	Negative	0
958	WALL	DRYWALL	C	INTACT	WHITE	HALL	b1 02	Negative	0.03
959	WALL	DRYWALL	D	INTACT	WHITE	HALL	b1 02	Negative	0
960	RADIATOR	METAL	D	INTACT	WHITE	HALL	b1 02	Negative	0.3
961	DOOR	METAL	A	INTACT	WHITE	HALL	b1 02	Negative	0
962	DOOR CASE	METAL	A	INTACT	WHITE	HALL	b1 02	Negative	0
963	WALL	DRYWALL	A	INTACT	WHITE	BATH	b1 18	Negative	0
964	WALL	DRYWALL	B	INTACT	WHITE	BATH	b1 18	Negative	0.03
965	WALL	DRYWALL	C	INTACT	WHITE	BATH	b1 18	Negative	0
966	WALL	DRYWALL	D	INTACT	WHITE	BATH	b1 18	Negative	0
967	DOOR	WOOD	A	INTACT	VARNISH	BATH	b1 18	Negative	0
968	DOOR CASE	WOOD	A	INTACT	VARNISH	BATH	b1 18	Negative	0.01
969	WALL	DRYWALL	A	INTACT	WHITE	BED 1	b1 18	Negative	0.01
970	WALL	DRYWALL	B	INTACT	WHITE	BED 1	b1 18	Negative	0
971	WALL	DRYWALL	C	INTACT	WHITE	BED 1	b1 18	Negative	0
972	WALL	DRYWALL	D	INTACT	WHITE	BED 1	b1 18	Negative	0
973	RADIATOR	METAL	C	INTACT	WHITE	BED 1	b1 18	Negative	0
974	DOOR	WOOD	A	INTACT	VARNISH	BED 1	b1 18	Negative	0
975	WALL	DRYWALL	A	INTACT	WHITE	BED 2	b1 18	Negative	0.06
976	WALL	DRYWALL	B	INTACT	WHITE	BED 2	b1 18	Negative	0
977	WALL	DRYWALL	C	INTACT	WHITE	BED 2	b1 18	Negative	0.03
978	WALL	DRYWALL	D	INTACT	WHITE	BED 2	b1 18	Negative	0
979	RADIATOR	METAL	C	INTACT	WHITE	BED 2	b1 18	Negative	0
980	WALL	DRYWALL	A	INTACT	WHITE	KITCHEN	b1 18	Negative	0
981	WALL	DRYWALL	B	INTACT	WHITE	KITCHEN	b1 18	Negative	0
982	WALL	DRYWALL	C	INTACT	WHITE	KITCHEN	b1 18	Negative	0
983	WALL	DRYWALL	D	INTACT	WHITE	KITCHEN	b1 18	Negative	0
984	CEILING	DRYWALL	A	INTACT	WHITE	KITCHEN	b1 18	Negative	0.05
985	RADIATOR	METAL	A	INTACT	WHITE	KITCHEN	b1 18	Negative	0.01
986	DOOR	METAL	A	INTACT	WHITE	EXTERIOR	b1 18	Negative	0

987	DOOR CASE	METAL	A	INTACT	WHITE	EXTERIOR	b1 18	Negative	0.01
988	COLUMN	CONCRETE	A	INTACT	WHITE	EXTERIOR	b1 18	Negative	0
989			Cali						1
990			Cali						1
991			Cali						1

VIII: License/Certification



Thermo Scientific Niton XRF Analyzer Operator's Training Certificate

This is to certify that

Mike Stefkovic

has successfully completed the Thermo Fisher Scientific Niton XRF Analyzer Operational Training Course. The topics of this course include device configuration, sample preparation, safe operation and analysis, interpretation of results, and routine maintenance of the Thermo Scientific Niton XRF Analyzer.

Course date: 2014-11-25

Location: Levittown, PA

Certificate Number: OP0036000001nlmlQ



Randy Wertz
Director, America Sales



CHRIS CHRISTIE
Governor
KIM GUADAGNO
Lt. Governor
LOCATION
101 SOUTH BROAD STREET
TRENTON, NEW JERSEY 08610

STATE OF NEW JERSEY
DEPARTMENT OF COMMUNITY AFFAIRS
DIVISION OF CODES AND STANDARDS
BUREAU OF CODE SERVICES
LEAD HAZARD ABATEMENT

CHARLES A. RICHMAN
Commissioner

MAILING ADDRESS
PO BOX 810
TRENTON, NJ 08625-0810

Certificate - Lead Evaluation Contractor

This is to certify that the Department of Community Affairs has

() CERTIFIED
(XX) RECERTIFIED

ENVIRONMENTAL TESTING SERVICES
619 WILLS AVE.
DEPTFORD, NJ 08096

To act as a Lead Evaluation Contractor on the following projects

Residential
Public Buildings

Cert # 00531 E

Effective Date: MAY 1, 2016

Date of Expiration: APRIL 30, 2018

Certificate Type: 2 YEAR

Sincerely,

Otumuyiwa Tex Falajiki
Supervisor of Certification
Lead Hazard Abatement Unit



KLACEN (Rev. 07/01/2013)

VII: Pictures/Diagrams/Certificate

NA

X: Performance Characteristic Sheet

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTUREER AND MODEL:

Make: *Niton LLC*

Tested Model: *XLp 300*

Source: ^{109}Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the Xli and XLp series:

Xli300A, Xli301A, Xli302A and Xli303A.

XLp300A, XLp301A, XLp302A, and XLp303A.

Xli700A, Xli701A, Xli702A, and Xli703A.

XLp700A, XLp701A, XLp702A, and XLp703A.

Note: The Xli and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode:

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for: Brick, Concrete, Drywall, Metal, Plaster, and Wood.

INCONCLUSIVE RANGTE OR THRESHOLD:

K + L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm ²)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	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 Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

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. Use the K+L variable time mode readings.

Conduct XRF retesting 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 housing a result is defined as the average of the three readings. In multifamily housing, a result is 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 results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passes the retest. If the difference of the overall averages equals 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:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times K + L Reading Mode (seconds)						
Substrate	All Data			Median for laboratory-measured lead levels (mg/cm ²)		
	25 th Percentile	Median	75 th Percentile	Pb < 0.25	0.25<=Pb<1.0	1.0<=Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* 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. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

XI: GLOSSARY

GLOSSARY

Abatement: A measure or set of measures designed to permanently eliminate lead-based paint hazards or lead-based paint. Abatement strategies include the removal of lead-based paint, encapsulation, replacement of building components coated with lead-based paint, removal of lead contaminated dust, and removal of lead contaminated soil or overlaying of soil with a durable covering such as asphalt (grass and sod are considered interim control measures). All of these strategies require preparation; cleanup; waste disposal; post-abatement clearance testing; recordkeeping; and, if applicable, monitoring. See also **Complete abatement** and **Interior controls**.

Accreditation: A formal recognition certifying that an organization, such as a laboratory, is competent to carry out specific tasks or types of tests.

Accuracy: The degree of agreement between an observed value and an accepted reference value (a “true” value); a data quality indicator. Accuracy includes a combination of random errors (precision) and systematic errors (bias) due to sampling an analysis.

Bare soil: Soil not covered with grass, sod, some other similar vegetation, or paving, including the sand in sandboxes.

Building component: Any element of a building that may be painted or have dust on its surface, e.g., walls, stair treads, floors, railings, doors, windowsills, etc.

Certification: The process of testing and evaluating against certain specifications the competence of a person, organization, or other entity in performing a function or service, usually for a specified period of time.

Certified: The designation for Contractors who have completed training and other requirements to safely allow them to undertake risk assessments, inspections, or abatement work, risk assessors, inspectors, and Abatement Contractors should be certified by the appropriate local, State, or Federal agency.

Chewable surface: See chewed surface.

Chewed surface: Any painted surface that shows evidence of having been chewed or mouthed by a young child. A chewed surface is usually a protruding, horizontal part of a building, such as an interior windowsill.

Cleaning: The process of using a vacuum and wet cleaning agents to remove leaded dust; the process includes the removal of bulk debris from the work area. OSHA prohibits the use of compressed air to clean lead-contaminated dust from a surface.

Clearance examination: Visual examination and collection of environmental samples by an inspector or risk assessor, or, in some circumstances, a Sampling Technician, and analysis by an accredited laboratory upon completion of an abatement project, interim control intervention, or maintenance job that disturbs lead-based paint (or paint suspected of being lead-based). The clearance examination is performed to ensure that lead exposure levels do not exceed standards established by the EPA Administrator pursuant to Title IV of the toxic Substances Control Act, and that any cleaning following such work adequately meets those standards.

Common area: A room or area that is accessible to all residents in a community (e.g., hallways or lobbies); in general, any area not kept locked.

Composite sample: A single sample made up of individual subsamples. Analysis of a composite sample produces the arithmetic mean of all subsamples.

Containment: A process to protect workers and the environment by controlling exposures to the lead-contaminated dust and debris created during abatement.

Deteriorated lead-based paint: Any lead-based paint coating on a damaged or deteriorated surface or fixture, or any interior or exterior lead-based paint that is peeling, chipping, blistering, flaking, worn, chalking, alligating, cracking, or otherwise becoming separated from the substrate.

Disposal (of waste): The discharge, deposit, injection, dumping, spilling, leaking, or placement of solid or liquid waste on land or in water so that none of its constituents can pollute the environment by being emitted into the air or discharged into a body of water, including groundwater.

Environmental Intervention Blood-Lead Level (EIBL) child: A child who has a blood lead level at or above 20 ug/dL (micrograms of lead per deciliter of blood) in a single test or at 15-19 ug/dL in two tests taken at least 3 months apart.

Encapsulation: Any covering or coating that acts as a barrier between lead-based paint and the environment, the durability of which relies on adhesion and the integrity of the existing bonds between multiple layers of paint and between the paint and the substrate. See also Enclosure.

Enclosure: The use of rigid, durable construction materials that are mechanically fastened to the substrate to act as a barrier between the Lead-based paint and the environment.

Evaluation: Risk assessment, paint inspection, reevaluation, investigation, clearance examination, or risk assessment screen.

Examination: See Clearance examination.

Federal Register (FR): A daily Federal publication that contains proposed and final regulations, rules, and notices.

Impact surface: An interior or exterior surface (such as surfaces on doors) subject to damage by repeated impact or contact.

Inspection (of paint): A surface-by-surface investigation to determine the presence of lead-based paint (In some cases including dust and soil sampling) and a report of the results.

Interim controls: A set of measures designed to temporarily reduce human exposure or possible exposure to lead-based paint hazards. Such measures include specialized cleaning, repairs, maintenance, painting, temporary containment, and management and resident education programs. Monitoring, conducted by Owners, and reevaluations, conducted by professionals, are integral elements of interim control. Interim controls include dust removal; paint film stabilization; treatment of friction and impact surfaces; installation of soil coverings, such as grass or sod; and land use controls. See also Monitoring, Reevaluation, and Abatement.

Interior windowsill: The portion of the horizontal window ledge that protrudes into the interior of the room, adjacent to the window sash when the window is closed; often called the window stool.

Latex: A waterborne emulsion paint made with synthetic binders, such as 100 percent acrylic, vinyl acrylic, terpolymer, or styrene acrylic; a stable emulsion of polymers and pigment in water.

Lead: Lead includes metallic lead and inorganic and organic compounds of lead.

Lead-based paint: Any paint, varnish, shellac, or other coating that contains lead equal to or greater than 1.0 mg/cm² (milligrams of lead per square centimeter of surface) as measured by XRF or laboratory analysis, or 0.5 percent by weight (5,000 ug/g, 5,000 ppm (parts per million), or 5,000 mg/kg) as measured by laboratory analysis (Local definitions may vary).

Lead-based paint hazard: A condition in which exposure to lead from lead-contaminated dust, lead-contaminated soil, or deteriorated lead-based paint would have an adverse effect on human health (as established by the EPA Administration under Title IV of the Toxic Substances Control act). Lead-based paint hazards include, for example, deteriorated lead-based paint, leaded dust levels above applicable standards, and bare leaded soil above applicable standards.

Lead-based paint hazard control: Activities to control and eliminate lead-based paint hazards, including interim controls, abatement, and complete abatement.

Lead-contaminated dust: Surface dust in residences that contain an area concentration of lead in excess of the standard established by the EPA Administration, pursuant to Title IV of the Toxic Substances Control Act. EPA standards for leaded dust for risk assessments are 40 ug/ft² (micrograms of lead per square foot) on floors and 250 ug/ft² on interior windowsills. The EPA standards for clearance are 40 ug/ft² on floors, 250 ug/ft² on interior windowsills and 400 ug/ft² on window troughs. The recommended standard for lead hazard screens for floors is 25 ug/ft² and for windowsills is 125 ug/ft².

Lead-contaminated soil: Bare soil on residential property that contains lead in excess of the standard established by the EPA Administrator, pursuant to Title IV of the Toxic Substances Control Act. The standard is 400 ug/g in play areas and 1200 ug/g in the rest of the yard.

Leaded dust: See Lead-contaminated dust.

Licensed: Holding a valid license or certification issued by EPA or by an EPA-approved State program pursuant to Title IV of the Toxic Substances Control Act. The license is based on certification for lead-based paint hazard control work. See also Certified.

Maintenance: Work intended to maintain adequate living conditions in a dwelling, which has the potential to disturb lead-based paint or paint that is suspected of being lead-based.

Mean: The arithmetic average of a series of numerical data values; for example, the algebraic sum of the data values divided by the number of data values.

Microgram (ug): 1/1,000,000 of a gram; used to measure weight.

Monitoring: Surveillance to determine (1) that known or suspected lead-based paint is not deteriorating; (2) that lead-based paint hazard controls, such as paint stabilization, enclosure, or encapsulation have not failed; and (3) that structural problems do not threaten the integrity of hazard controls or of known or suspected.

Owner: A person, firm, corporation, guardian, receiver, trustee, executor, government agency or entity, or other judicial officer who, alone or with others, owns, holds, or controls the freehold or leasehold title or part of the title to property, with or without actually possessing it. This definition includes a vendee who possesses the title, but does not include a mortgagee or an Owner of a reversionary interest under a ground real lease.

Paint inspector: An individual who has completed training from an accredited program and been licensed or certified by the appropriate State or local agency to (1) perform inspections to determine and report the presence of lead-based paint on a surface-by-surface basis through onsite testing, (2) report the findings of such an inspection, (3) collect environmental samples for laboratory analysis, (4) perform clearance testing, and optionally (5) document successful compliance with lead-based paint hazard control requirements or standards.

Paint removal: An abatement strategy that entails the removal of lead-based paint from surfaces. For lead hazard control work, this can mean using chemicals, heat guns below 1,100° F, and certain contained *abrasive* methods. Open-flame burning, open-abrasive blasting, sandblasting, extensive dry scraping, and stripping in a poorly ventilated space using a volatile stripper are prohibited paint removal methods. Hydroblasting is not recommended.

Plastic: See Polyethylene plastic.

Polyethylene plastic: All references to polyethylene plastic refer to 6mil plastic sheeting or polyethylene bags (or doubled bags if using 4 mil polyethylene bags), or any other thick plastic material shown to demonstrate at least equivalent dust contaminated performance. Plastic used to contain waste should be capable of completely containing the waste and, after being properly sealed, should remain leak tight with no visible signs of discharge during movement or relocation.

Polyurethane: An exceptionally hard and wear-resistant coating (created by the reaction of polyols with a multifunctional isocyanate); often used to seal wood floors following lead-based paint hazard control work and cleaning.

Reevaluation: In lead hazard control work, the combination of a visual assessment and collection of environmental samples performed by a certified risk assessor to determine if a previously implemented lead-based paint hazard control measure is still effective and if the dwelling remains lead-safe.

Removal: See Paint removal.

Renovation: Work that involves construction and/or home or building improvement measures such as window replacement, weatherization, remodeling, and repainting.

Replacement: A strategy of abatement that entails the removal of building components coated with lead-based paint (such as windows, doors, and trim) and the installation of new components free of lead-based paint.

Resident: A person who lives in a dwelling.

Risk assessment: An onsite investigation of a residential dwelling to discover any lead-based paint hazards. Risk assessments include an investigation of the age, history, management, and maintenance of the dwelling, and the number of children under age 6 and women of childbearing age who are residents; a visual assessment; environmental sampling (i.e., collection of dust wipe samples, soil samples, and deteriorated paint samples); and preparation of a report identifying acceptable abatement and interim control strategies based on specific conditions.

Risk assessor: A certified individual who has completed training with an accredited training program and who has been certified to (1) perform risk assessments, (2) identify acceptable abatement and interim control strategies for reducing identified lead-based paint hazards, (3) perform clearance testing and reevaluations, and (4) document the successful completion of lead-based paint hazard control activities.

Site: The land or body of water where a facility is located or an activity is conducted. The site includes adjacent land used in connection with the facility or activity.

Soil: See Bare soil.

Spectrum analyzer: A type of XRF analyzer that provides the operator with a plot of the energy and intensity, or counts of both K and L x-ray spectra, as well as a calculated lead concentration. See also XRF analyzer.

Standard deviation: A measure of the precision of a reading; the spread of the deviation from the mean. The smaller the standard of deviation, the more precise the analysis. The standard deviation is calculated by first obtaining the mean, or the arithmetic average, of all of the readings. A formula is then used to calculate how much the individual values vary from the mean- the standard deviation is the square root of the arithmetic average of the squares of the deviation from the mean. Many hand calculators have an automatic standard deviation function. See also Mean.

Subsample: A representative portion of a sample. A subsample may be either a field sample or a laboratory sample. A subsample is often combined with other subsamples to produce a composite sample. See also Composite sample.

Substrate: A surface on which paint, varnish, or other coating has been applied or may be applied. Examples of substrates include wood, plaster, metal, and drywall.

Substrate effect: The radiation returned to an XRF analyzer by the paint, substrate, or underlying material, in addition to the radiation returned by any lead present. This radiation, when counted as lead x-rays by an XRF analyzer contributes to substrate equivalent lead (bias). The inspector may have to compensate for this effect when using XRF analyzers. See also XRF analyzer.

Substrate Equivalent Lead (SEL): The XRF measurement taken on an unpainted surface; used to calculate the corrected lead concentration on a surface by using the following formula: Apparent Lead Concentration-Substrate Equivalent Lead = Corrected Lead Concentration. See also XRF analyzer.

Target housing: Any residential unit constructed before 1978, except dwellings that do not contain bedrooms or dwellings that were developed specifically for the elderly or persons with disabilities- unless a child younger than 6 resides or is expected to reside in the dwelling. In the case of jurisdictions that banned the sale or use of lead-based paint before 1978, the Secretary of HUD may designate an earlier date for defining target housing.

Test location: A specific area on a testing combination where XRF instruments will test for lead-based paint.

Trained: Successful completion of a training course in a particular discipline. For lead hazard control work, the training course must be accredited by EPA or by an EPA-approved State program, pursuant to Title IV of the Toxic Substances Control Act.

Treatment: In residential lead-based paint hazard control work, any method designed to control lead-based paint hazards. Treatment includes interim controls, abatement, and removal.

Trough: See Window trough.

Windowsill: See interior windowsill.

Window trough: For a typical double-hung window, the portion of the exterior windowsill between the interior windowsill (or stool) and the frame of the storm window. If there is no storm window, the window trough is the area that receives both the upper and lower window sashes when they are both lowered. Sometimes inaccurately called the window "well".

Worker: An individual who has completed training in an accredited program to perform Lead-based paint hazard control in housing.

Worksite: Any interior or exterior area where lead-based paint hazard control work takes place.

XRF analyzer: An instrument that determines lead concentration in milligrams per square centimeter (mg/cm^2) using the principle of x-ray fluorescence (XRF). Two types of field portable XRF analyzers are used- direct readers and spectrum analyzers. For this lead-based paint inspection, the term XRF analyzer only refers to portable instruments manufactured to analyze paint that have a HUD Performance Characteristic Sheet, and are interpreted in accordance with the Performance Characteristic Sheet; it does not refer here to laboratory grade units or portable instruments designed to analyze soil.

