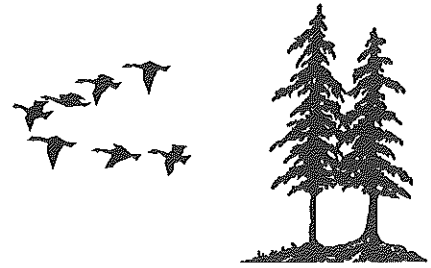


Midwest
Environmental
Consulting, L.L.C.



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**Mann Elementary School
Saint Paul Public Schools**

Lead-Based Paint Inspection

Inspection Dates: 7/18/97, 7/21/97

submitted to:

Saint Paul Public Schools

MEC Project # 62/0197AS

38894 Llama Street NW * Dalbo, Minnesota 55017 * (612) 689-3612
fax (612) 689-5209

INTRODUCTION

At the request of Saint Paul Public Schools Environmental Safety Department, Midwest Environmental Consulting, L.L.C. (MEC), conducted a lead-based paint inspection at Mann Elementary School, 2001 Eleanor Avenue, St. Paul, MN. The purpose of this inspection was to identify lead-based painted, varnished, or otherwise coated building components on the interior and exterior of the school building.

The inspection protocol incorporated applicable portions of the U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-based Paint Hazards in Housing* (HUD Guidelines, June 1995) and OSHA 1926.62 requirements (Lead in Construction). The HUD guidelines are formulated to guide agencies in conducting random sampling of the interiors and exteriors of dwellings and common areas in public housing. The OSHA requirement is designed to minimize worker exposure when working with material containing lead.

Confirmatory testing was conducted when inconclusive XRF results were encountered. Inconclusive refers to XRF readings less than 0.2 mg/cm² (milligrams per square centimeter). Inconclusive results were confirmed with laboratory analysis of paint chip samples (Appendix B). This report contains a list of such results.

The United States Environmental Protection Agency defines "lead-based paint" as a paint or other surface coating that contains lead equal to or in excess of 1.0 milligrams per square centimeter when analyzed by XRF or more than 0.5% by weight (5000 parts per million) by laboratory analysis of a bulk sample.

Minnesota Department of Labor and Industry (MN OSHA) adopted the EPA lead levels for the purpose of enforcing OSHA 1926.62 federal regulations. Detection of lead in dried paint film by XRF is a dependable indicator of levels of lead and is accepted by MN OSHA.

For this Saint Paul Public Schools Lead Inspection, all building components were tested on site using a Niton XL® X-ray Fluorescence Spectrum Analyzer⁽¹⁾. Building components included walls, ceilings, floors, moldings, window and door components, door surfaces, and miscellaneous features such as shelves or bookcases. Only painted or glazed surfaces or surfaces which were varnished were tested. Suspended ceilings, structural steel, and corrugated decking were not included in the inspection. Neither anodized (e.g., window sashes) nor plastic (e.g., vinyl baseboard and vinyl mini-blinds) were included in the scope of this inspection.

⁽¹⁾ This is a portable hand held machine that can analyze building components instantly for lead concentrations.

Each building was divided into unique sites based on the year of construction or renovation. Portable classrooms, playgrounds, and other detached buildings were automatically designated as a unique site. Each site was inspected independently assuming differences in painting history and construction characteristics.

SITE DESCRIPTION AND BUILDING HISTORY

According to information provided to MEC by Saint Paul Public Schools, Mann Elementary School was constructed in essentially three phase. The initial phase includes the 10,980 square-foot older section of the building and dates from 1930. The second phase is a 15,702 square-foot addition dating from 1955. The third phase is a 15,600 square foot addition from 1996.

For the purpose of this inspection, the 1996 phase was not inspected due to the age.

All room and area designations used in this report are depicted on sampling maps found in Appendix A.

XRF SAMPLE RESULTS TABLE

The results of all samples analyzed are listed in the table at the end of this section. The following is a description of the column headings:

Site	Each school is divided into sites based on their unique construction characteristics. Each site has a unique date of construction or major renovation.	
Sample #	Each sample taken was given a unique number to identify the type and location of the sample. The sampling date is an integral part of the sample number.	
Analysis	This defines the type of analysis which can be categorized into two types: 1) XRF: This is an on-site analysis using a hand held Niton XL® X-ray Fluorescence Spectrum Analyzer; 2) Bulk or Chip: This is a bulk sample where paint is removed from the substrate and sent to a laboratory for analysis;	
Floor	This is the level of the building in which the area tested was found, example, 1 (first floor), 0 (basement), etc.	

- Area** This further defines the specific functional space inspected such as a classroom, exterior, playground, gym, kitchen, etc.
- Room #** This is typically the actual number on the room as identified at the building.
- Component** Building "components" included walls, ceilings, floors, moldings, window and door components, door surfaces, and miscellaneous features such as shelves or bookcases.
- Feature** Identifies more detailed information of the component.
- Condition** This describes condition of the surface, whether it is intact, cracked, peeling, or chalking.
- Substrate** This refers to the material the building component is made of (wood, concrete, drywall, metal, etc.).
- Result** This is the analysis results for lead. Less than 1.0 mg/cm² or less than 0.5% by weight is considered to be non-lead and these building components are below the action levels of EPA and HUD. (All results are in mg/cm² except where noted.)

The table of results is designed for quick information on lead concentrations of tested building components. Generally, all repetitions of a test combination within a given room or area, may be assumed to contain similar concentrations of lead to that of the tested sample. For instance, the lead concentration of a tested wooden window sash was found to be above the action level of 1.0 mg/cm² in a given classroom. The classroom has five windows, all of wood, the same color and appearing to be of the same era. It can be assumed that the remaining four wooden window sashes each contain lead above the action limit.

Other columns identify the component and the component feature tested, condition of the component, type of substrate and the result of the analytical test.

As an example, the following illustration shows that the wooden door jamb in Room 123, first floor in the 1923 building section was in good, solid condition, and had an XRF test result of 0.3 mg/cm², which is below the action level.

Illustration Only

Site	Sample #	Date	Analysis	Floor	Area	Room #	Component	Feature	Condition	Substrate	Results
1923 Bldg.	52		XRF	1	Room	123	Door	Jamb	Solid	Wood	0.3

In a similar manner, the table shows that the plaster walls in room 23, on the second floor has peeling paint with more than 1.0 mg/cm² (shaded).

ILLUSTRATION ONLY

Site	Sample #	Date	Analysis	Floor	Area	Room #	Component	Feature	Condition	Substrate	Results
1910 Bldg.	16		XRF	2	Room	23	Door	Jamb	Peeling	Wood	0.25
1910 Bldg.	17		XRF	2	Room	23	Wall	Wall	Peeling	Plaster	1.2
1910 Bldg.	18		XRF	2	Room	23		Ceiling	Peeling	Plaster	0.25
1910 Bldg.	19		XRF	2	Room	23	Wall	Baseboard	Peeling	Wood	0.002

APPLICABLE REGULATIONS

When building components test above 1.0 mg/cm² of lead by XRF or 0.5% lead by weight from laboratory analysis all employees and contractors who will be working with these components in a construction related activity must be notified. The requirements of OSHA 1926.62, Lead in Construction are enforceable. This regulation defines construction work as "work for construction, alteration and/or repair, including painting and decorating." This regulation further defines monitoring requirements to minimize employee exposure to lead during construction activities.

When work is performed on external painted building structures (i.e. flashing, fire escapes, playground equipment, handrails, etc.), regulations of the Minnesota Pollution Control Agency (MPCA) may also be applicable. For removal of lead based paint from steel structures, MN Rules 7025.0200 - 7025.0380 apply to steel materials on the exterior of a building, or on the property when levels exceed 0.5 mg/cm² based on the average of three XRF spectrum results of the sample tested, or 5,000 ppm by laboratory analysis. If it is other than a steel surface, then MPCA regulates the painted surfaces under MN Rules 7025.010 - 7025.0080, when surfaces are to be disturbed using abrasive blasting methods.

Please contact MEC directly if you have questions about any portion of this report or the lead-based paint inspection itself.

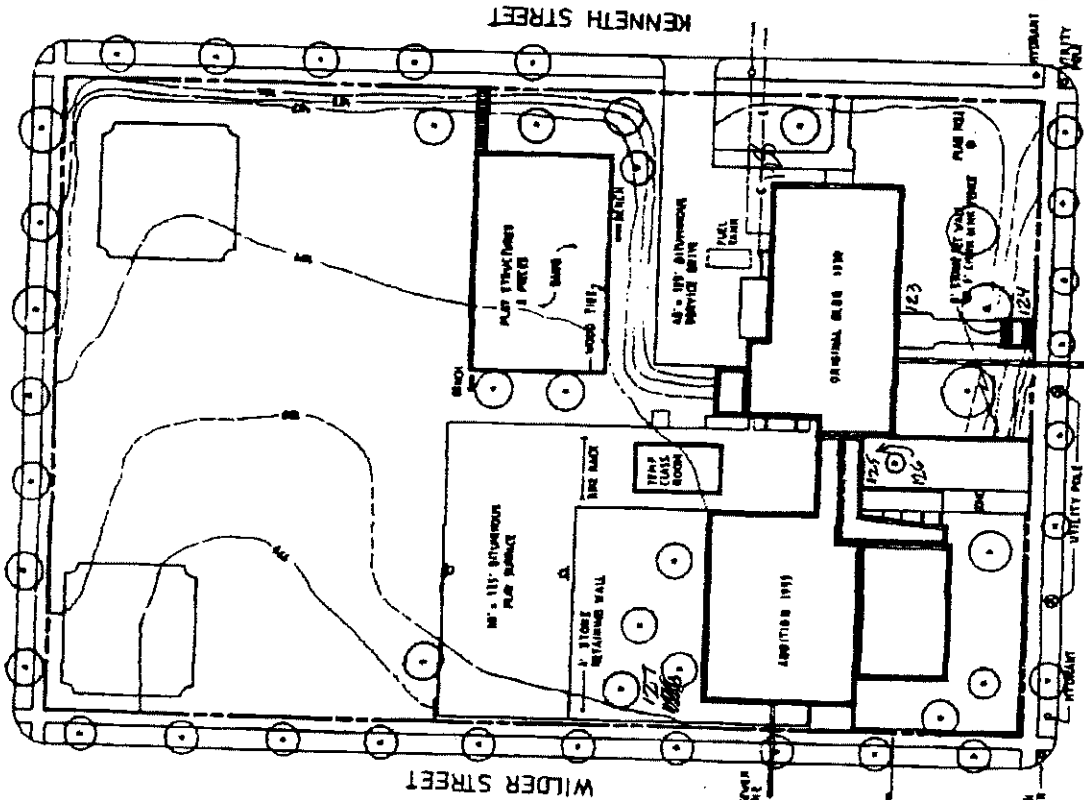
APPENDIX A

**XRF TESTING DATA
WITH
LOCATION MAPS**

7 94
139, 074
4, 558
5, 194
315
2, 154
64, 734
66
2
16
25

BAYARD AVE.

ELEANOR AVE



KENNETH STREET

WILDER STREET

三

SITE PLAN



7-21-97

62-0197-AS

C D A

INDEPENDENT SCHOOL DIST. #625 | HORACE MANN ELEMENTARY

INDO-GREENT SCHOOL DIST. 65

HORACE MANN ELEMENTARY

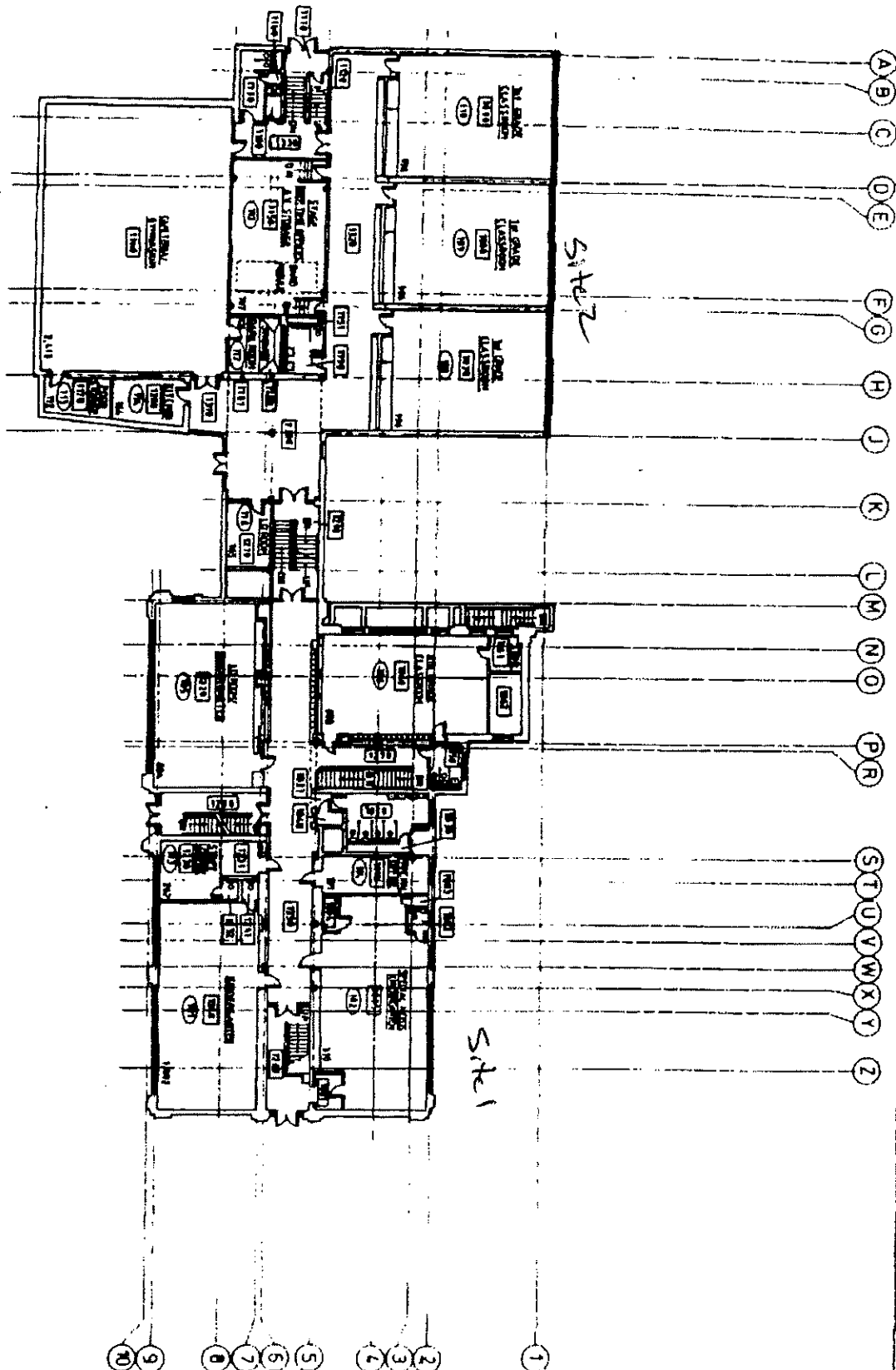
SECRET

MADEPERS
FIRST FLOOR
SITE NO. 1000
07/16

0003
18.441
17.196
18.518
32.073

0002
18.441
16.441
18.518
17.196

0001
NO CLATS ARCH. ROOM NUMBER
NO CLATS CLASSROOM NUMBER
NO CLATS ROOM 38, 100/100



FIRST FLOOR PLAN

INDEPENDENT SCHOOL DIST #625
360 COLBORNE STREET

HORACE MANN ELEMENTARY
2001 ELEANOR AVE.

CONSTRUCTED 1930, 55

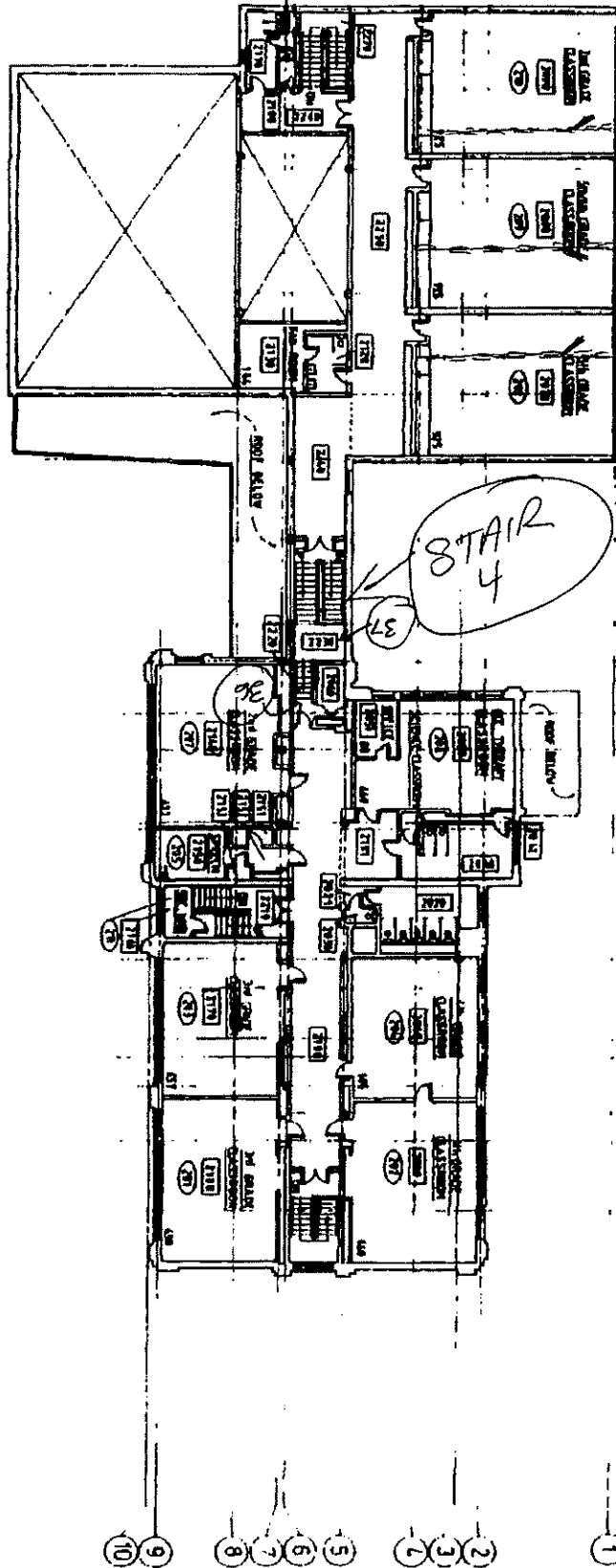
3

62-0197 AS
7-21-97

A B C
D

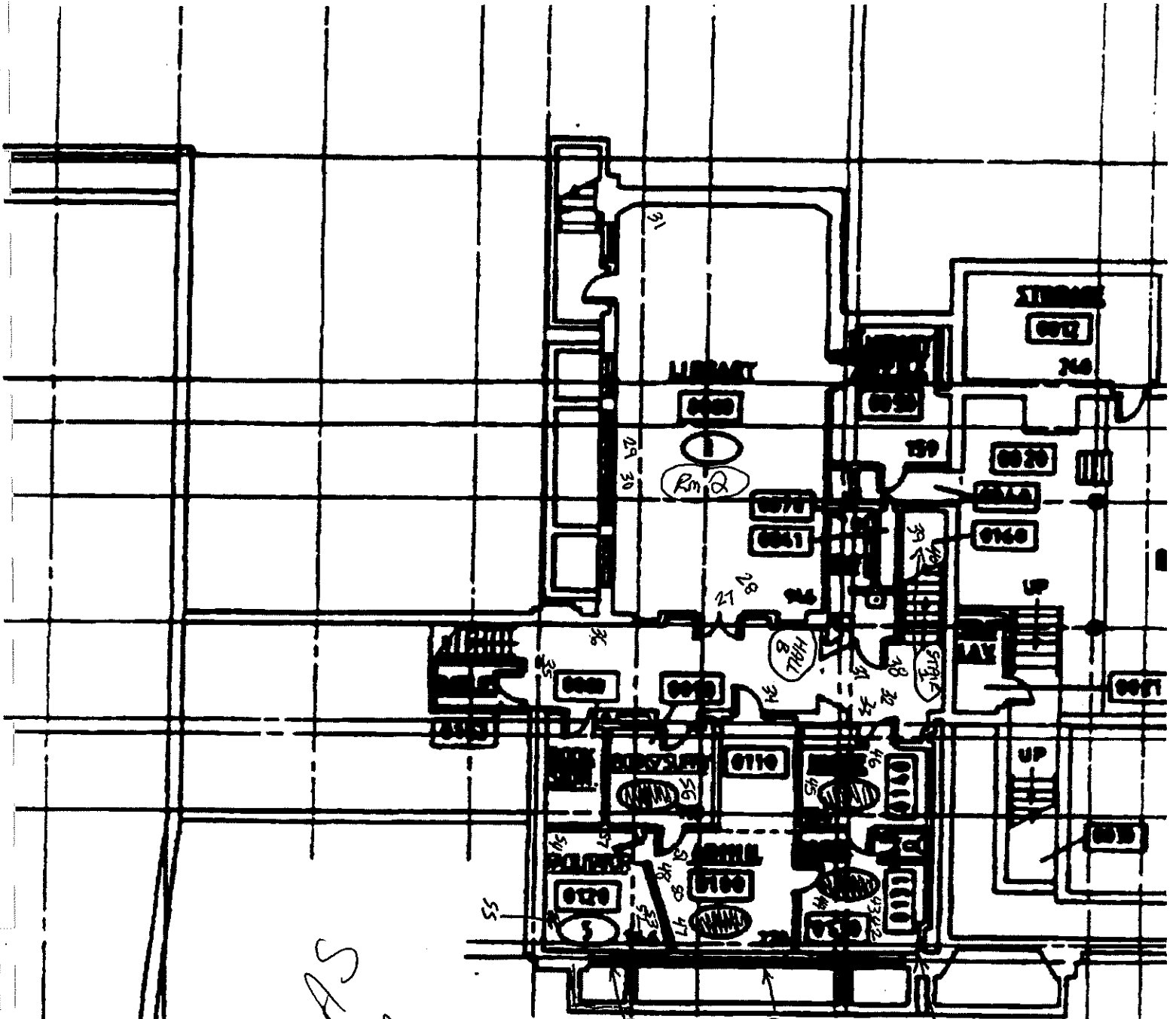
SECOND FLOOR PLAN

New



Actual wall locations

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

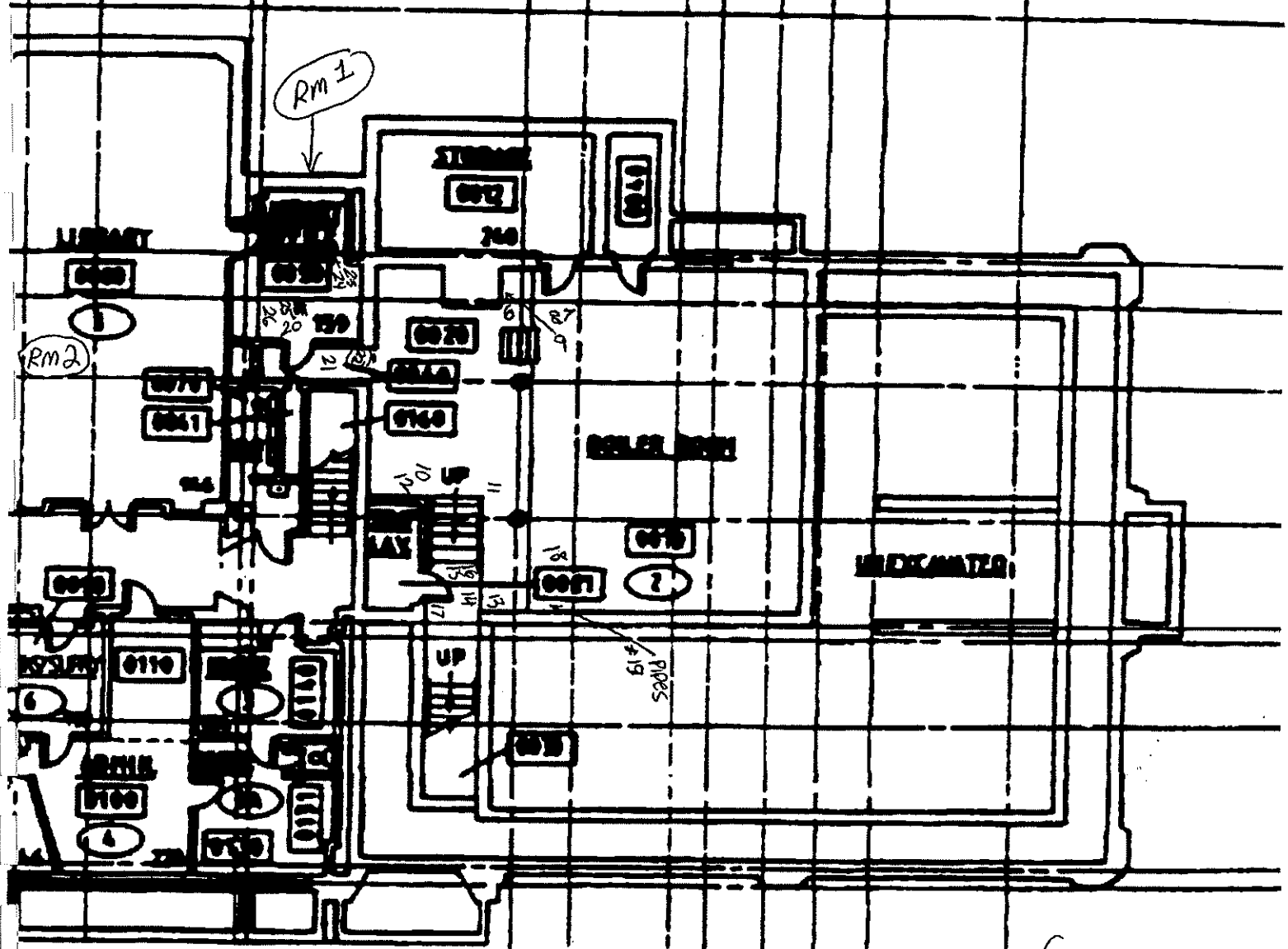


02-0197 AS
7-18-97

Basement

A B C D

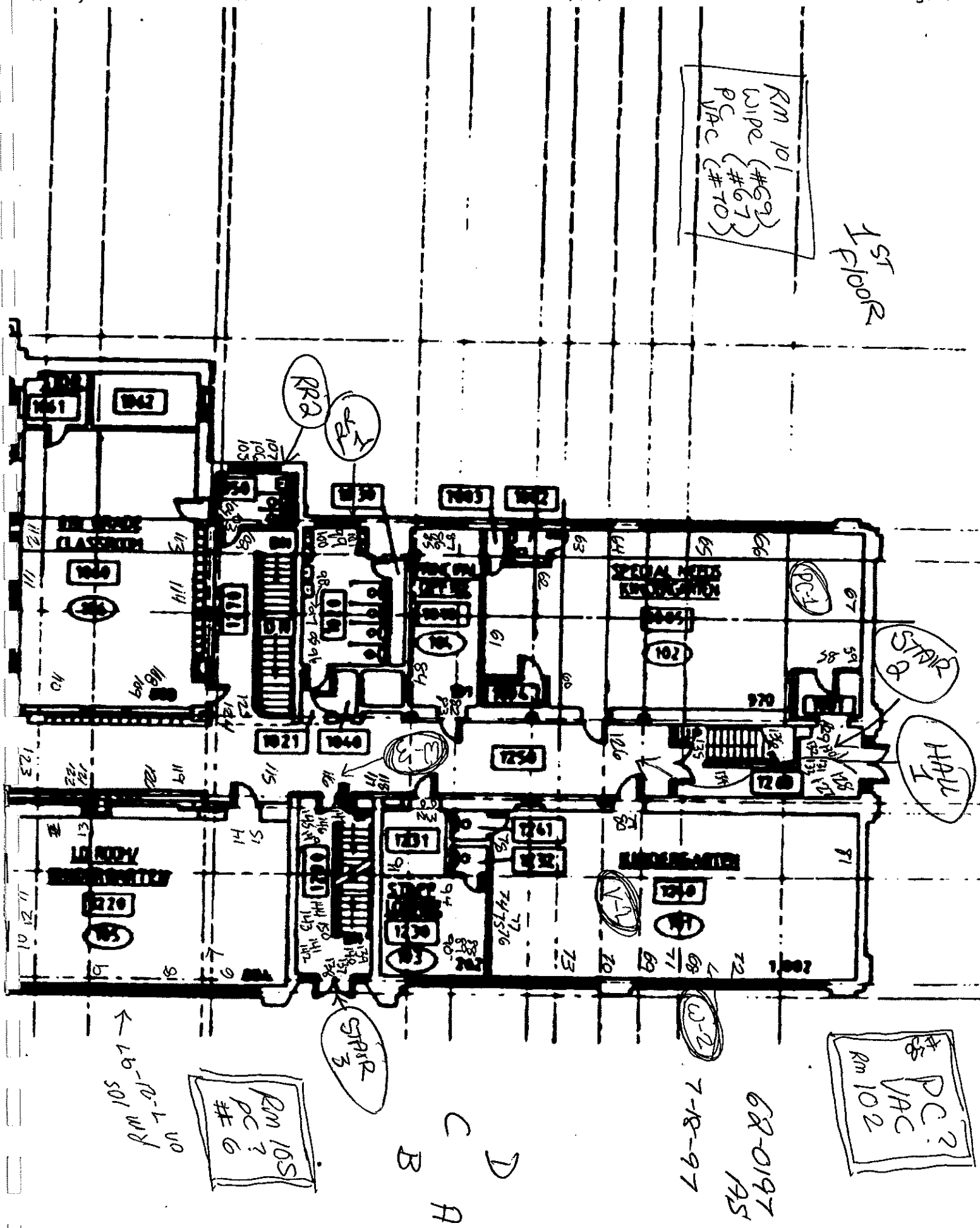
VAC
Rm 2



A B C D

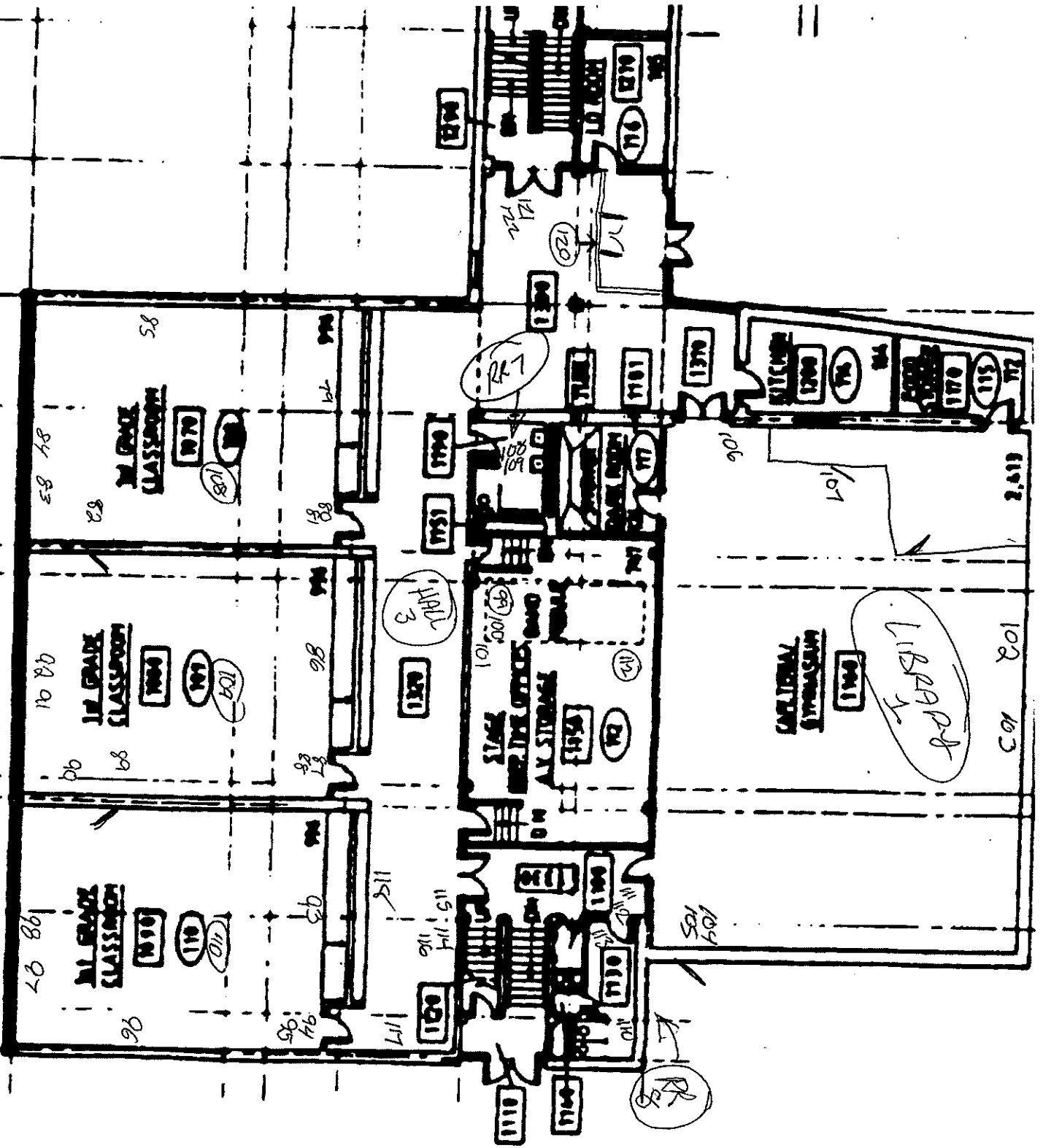
Basement

62-0191 AS
7-18-97

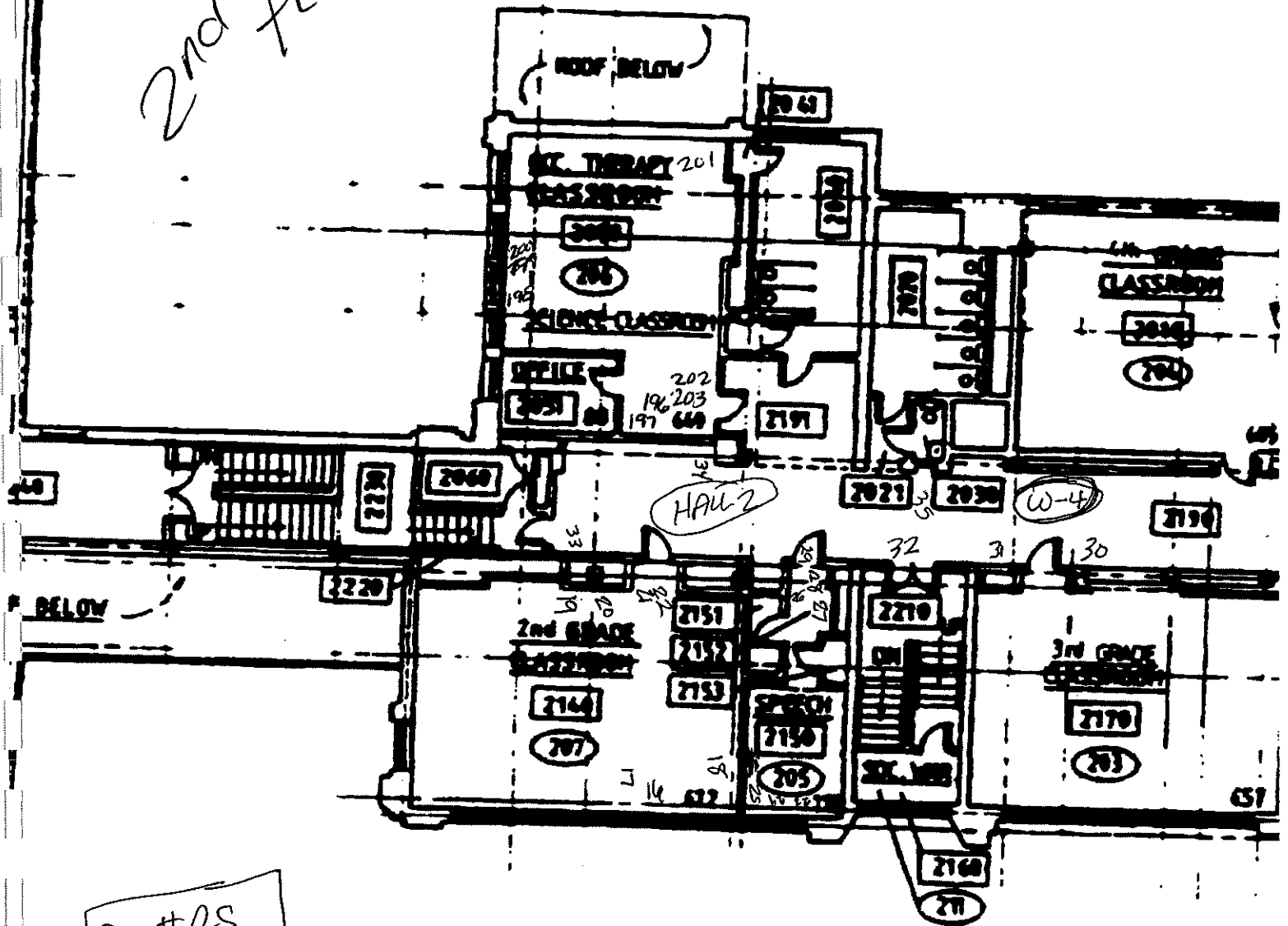


1st floor
New
07-0197 AS
7-21-97

A
B
C
D



2nd fl

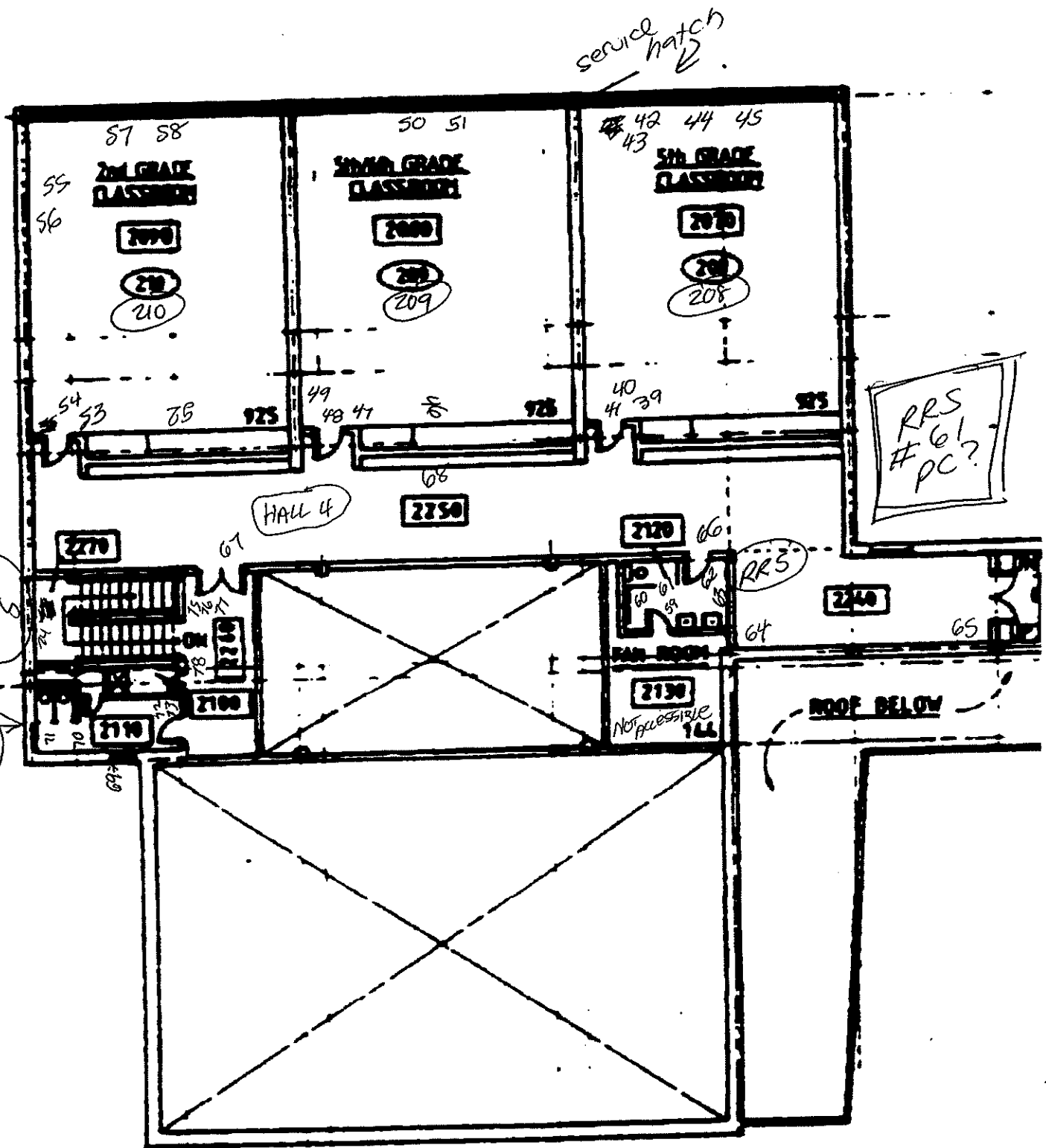


PC #25
RM 20S
HALL 2 pc
locker
30

62-0197 AS

7-18-97

7-21-97 - (Blue)



62-0197 AS
7-21-97

B C D
A

2nd
Floor
New

Saint Paul Public Schools
Mann Elementary School
Lead-Based Paint Inspection

	A	B	C	D	E	F	G	H	I	J	K	L
1	Mann Elementary School											
2												
3	Site	Sample#	Analysis	Date	Floor	Area	Room#	Compone	Feature	Condition	Substrate	Result
4	1930 Bldg	14	XRF	7/18/97	0	Boiler	1	Ceiling		Solid	Concrte	0.08
5	1930 Bldg	7	XRF	7/18/97	0	Boiler	1	Door	Door	Solid	Metal	5.09
6	1930 Bldg	8	XRF	7/18/97	0	Boiler	1	Door	Casing	Solid	Metal	4.09
7	1930 Bldg	15	XRF	7/18/97	0	Boiler	1	Door	Door	Solid	Wood	3.97
8	1930 Bldg	16	XRF	7/18/97	0	Boiler	1	Door	Casing	Solid	Wood	4.44
9	1930 Bldg	17	XRF	7/18/97	0	Boiler	1	Door	Door	Peeling	Metal	5.09
10	1930 Bldg	6	XRF	7/18/97	0	Boiler	1	Floor			Concrte	0.02
11	1930 Bldg	19	XRF	7/18/97	0	Boiler	1	Pipe	Midle Wall	Peeling	Metal	0.3
12	1930 Bldg	11	XRF	7/18/97	0	Boiler	1	Stairs	Hand rail	Solid	Metal	3.71
13	1930 Bldg	9	XRF	7/18/97	0	Boiler	1	Wall	Midle Wall	Solid	Concrte	2.1
14	1930 Bldg	10	XRF	7/18/97	0	Boiler	1	Wall	Midle Wall	Solid	Concrte	1.73
15	1930 Bldg	12	XRF	7/18/97	0	Boiler	1	Wall	Wall	Solid	Tile	0.1
16	1930 Bldg	13	XRF	7/18/97	0	Boiler	1	Wall	Wall	Solid	Concrte	0.1
17	1930 Bldg	18	XRF	7/18/97	0	Boiler	1	Wall	Midle Wall	Solid	Concrte	1.22
18	1930 Bldg	25	XRF	7/21/97	1	Classroom	0	Wall	Midle Wall	Solid	Plaster	0.05
19	1930 Bldg	69	XRF	7/18/97	1	Classroom	101	Bookcase	Inside	Peeling	Wood	1.96
20	1930 Bldg	73	XRF	7/18/97	1	Classroom	101	Bookcase	Inside	Solid	Wood	1.72
21	1930 Bldg	77	XRF	7/18/97	1	Classroom	101	Bookcase	Inside	Peeling	Wood	0.02
22	1930 Bldg	74	XRF	7/18/97	1	Classroom	101	Cabinet	Door	Solid	Wood	0.01
23	1930 Bldg	75	XRF	7/18/97	1	Classroom	101	Cabinet	Door	Solid	Wood	0
24	1930 Bldg	76	XRF	7/18/97	1	Classroom	101	Cabinet	Door	Solid	Wood	1.51
25	1930 Bldg	79	XRF	7/18/97	1	Classroom	101	Door	Door	Solid	Wood	0.03
26	1930 Bldg	80	XRF	7/18/97	1	Classroom	101	Door	Casing	Solid	Wood	0.03
27	1930 Bldg	78	XRF	7/18/97	1	Classroom	101	Wall	Midle Wall	Solid	Plaster	0.48
28	1930 Bldg	81	XRF	7/18/97	1	Classroom	101	Wall	Baseboar	Solid	Metal	0.38
29	1930 Bldg	72	XRF	7/18/97	1	Classroom	101	Water Pipe		Peeling	Metal	0
30	1930 Bldg	71	XRF	7/18/97	1	Classroom	101	Window	Casing	Solid	Wood	0.02
31	1930 Bldg	68	XRF	7/18/97	1	Classroom	101		Radiator	Solid	Metal	0.09
32	1930 Bldg	70	XRF	7/18/97	1	Classroom	101		Radiator	Peeling	Metal	0.69
33	1930 Bldg	62	XRF	7/18/97	1	Classroom	102	Bookcase	Inside	Solid	Wood	0.05
34	1930 Bldg	61	XRF	7/18/97	1	Classroom	102	Chalkboar	Rail	Solid	Wood	0.03
35	1930 Bldg	58	XRF	7/18/97	1	Classroom	102	Door	Door	Solid	Wood	0.07
36	1930 Bldg	59	XRF	7/18/97	1	Classroom	102	Door	Casing	Solid	Wood	0.04
37	1930 Bldg	60	XRF	7/18/97	1	Classroom	102	Wall	Midle Wall	Solid	Plaster	0.3
38	1930 Bldg	65	XRF	7/18/97	1	Classroom	102	Wall	Radiator	Solid	Metal	0.06
39	1930 Bldg	66	XRF	7/18/97	1	Classroom	102	Wall	Baseboar	Cracked	Metal	0.34
40	1930 Bldg	64	XRF	7/18/97	1	Classroom	102	Window	Casing	Solid	Wood	0.04
41	1930 Bldg	63	XRF	7/18/97	1	Classroom	102		Radiator	Peeling	Metal	0.17
42	1930 Bldg	67	XRF	7/18/97	1	Classroom	102		Locker	Solid	Metal	0.11
43	1930 Bldg	85	XRF	7/18/97	1	Classroom	104	Cabinet	Outside	Solid	Wood	0.03
44	1930 Bldg	82	XRF	7/18/97	1	Classroom	104	Door	Door	Solid	Wood	0.03
45	1930 Bldg	83	XRF	7/18/97	1	Classroom	104	Door	Casing	Solid	Wood	0.03
46	1930 Bldg	87	XRF	7/18/97	1	Classroom	104	Radiator	Guard	Solid	Wood	0
47	1930 Bldg	84	XRF	7/18/97	1	Classroom	104	Wall	Midle Wall	Solid	Plaster	0.16
48	1930 Bldg	86	XRF	7/18/97	1	Classroom	104		Radiator	Solid	Metal	0.44
49	1930 Bldg	13	XRF	7/21/97	1	Classroom	105	Cabinet	Door	Solid	Wood	0.01
50	1930 Bldg	10	XRF	7/21/97	1	Classroom	105	Chalkboar	Rail	Solid	Wood	0.07
51	1930 Bldg	14	XRF	7/21/97	1	Classroom	105	Door	Door	Solid	Wood	0.01
52	1930 Bldg	15	XRF	7/21/97	1	Classroom	105	Door	Casing	Solid	Wood	0.01
53	1930 Bldg	7	XRF	7/21/97	1	Classroom	105	Radiator	Guard	Solid	Wood	0
54	1930 Bldg	11	XRF	7/21/97	1	Classroom	105	Wall	Baseboar	Solid	Metal	0.67
55	1930 Bldg	12	XRF	7/21/97	1	Classroom	105	Wall	Wall	Solid	Plaster	0
56	1930 Bldg	9	XRF	7/21/97	1	Classroom	105	Window	Casing	Solid	Wood	0.02
57	1930 Bldg	6	XRF	7/21/97	1	Classroom	105		Radiator	Solid	Metal	0.19
58	1930 Bldg	8	XRF	7/21/97	1	Classroom	105		Radiator	Solid	Metal	0.05
59	1930 Bldg	110	XRF	7/18/97	1	Classroom	106	Cabinet	Door	Solid	Wood	0
60	1930 Bldg	109	XRF	7/18/97	1	Classroom	106	Chalkboar	Rail	Solid	Wood	0.02

Saint Paul Public Schools
Mann Elementary School
Lead-Based Paint Inspection

	A	B	C	D	E	F	G	H	I	J	K	L
3	Site	Sample#	Analysis	Date	Floor	Area	Room#	Compone	Feature	Condition	Substrate	Result
61	1930 Bldg	114	XRF	7/18/97	1	Classroom	106	Door	Casing	Solid	Wood	0
62	1930 Bldg	108	XRF	7/18/97	1	Classroom	106	Wall	Midle Wall	Solid	Plaster	0.12
63	1930 Bldg	111	XRF	7/18/97	1	Classroom	106	Wall	Radiator	Solid	Metal	1
64	1930 Bldg	113	XRF	7/18/97	1	Classroom	106	Wall	Baseboar	Solid	Metal	0.53
65	1930 Bldg	112	XRF	7/18/97	1	Classroom	106	Window	Casing	Solid	Wood	0.01
66	1930 Bldg	157	XRF	7/18/97	2	Classroom	201	Cabinet	Door	Solid	Wood	0.03
67	1930 Bldg	153	XRF	7/18/97	2	Classroom	201	Chalkboar	Rail	Solid	Wood	0.02
68	1930 Bldg	155	XRF	7/18/97	2	Classroom	201	Door	Casing	Solid	Wood	0.02
69	1930 Bldg	156	XRF	7/18/97	2	Classroom	201	Door	Door	Solid	Wood	0.04
70	1930 Bldg	154	XRF	7/18/97	2	Classroom	201	Wall	Midle Wall	Solid	Plaster	0.02
71	1930 Bldg	152	XRF	7/18/97	2	Classroom	201	Window	Casing	Solid	Wood	0.03
72	1930 Bldg	151	XRF	7/18/97	2	Classroom	201		Radiator	Solid	Metal	0.11
73	1930 Bldg	167	XRF	7/18/97	2	Classroom	202	Cabinet	Door	Solid	Wood	0.03
74	1930 Bldg	166	XRF	7/18/97	2	Classroom	202	Chalkboar	Rail	Solid	Wood	0.37
75	1930 Bldg	169	XRF	7/18/97	2	Classroom	202	Door	Casing	Solid	Wood	0.02
76	1930 Bldg	170	XRF	7/18/97	2	Classroom	202	Door	Door	Solid	Wood	0
77	1930 Bldg	174	XRF	7/18/97	2	Classroom	202	Radiator	Guard	Solid	Wood	0
78	1930 Bldg	168	XRF	7/18/97	2	Classroom	202	Wall	Midle Wall	Solid	Plaster	0.2
79	1930 Bldg	171	XRF	7/18/97	2	Classroom	202	Window	Casing	Solid	Wood	0.03
80	1930 Bldg	172	XRF	7/18/97	2	Classroom	202		Radiator	Solid	Metal	0.03
81	1930 Bldg	173	XRF	7/18/97	2	Classroom	202		Radiator	Solid	Metal	0
82	1930 Bldg	165	XRF	7/18/97	2	Classroom	203	Cabinet	Door	Solid	Wood	0.03
83	1930 Bldg	161	XRF	7/18/97	2	Classroom	203	Chalkboar	Rail	Solid	Wood	0.01
84	1930 Bldg	163	XRF	7/18/97	2	Classroom	203	Door	Door	Solid	Wood	0.04
85	1930 Bldg	164	XRF	7/18/97	2	Classroom	203	Door	Casing	Solid	Wood	0.02
86	1930 Bldg	162	XRF	7/18/97	2	Classroom	203	Wall	Midle Wall	Solid	Plaster	0.17
87	1930 Bldg	158	XRF	7/18/97	2	Classroom	203	Window	Casing	Solid	Wood	0.05
88	1930 Bldg	159	XRF	7/18/97	2	Classroom	203		Radiator	Solid	Metal	0.06
89	1930 Bldg	160	XRF	7/18/97	2	Classroom	203		Radiator	Solid	Metal	0.53
90	1930 Bldg	177	XRF	7/18/97	2	Classroom	204	Bookcase	Shelf	Peeling	Wood	0.24
91	1930 Bldg	176	XRF	7/18/97	2	Classroom	204	Cabinet	Door	Solid	Wood	0.04
92	1930 Bldg	178	XRF	7/18/97	2	Classroom	204	Chalkboar	Rail	Solid	Wood	0.04
93	1930 Bldg	175	XRF	7/18/97	2	Classroom	204	Door	Door	Solid	Wood	0.04
94	1930 Bldg	183	XRF	7/18/97	2	Classroom	204	Door	Casing	Solid	Wood	0.05
95	1930 Bldg	179	XRF	7/18/97	2	Classroom	204	Wall	Midle Wall	Solid	Plaster	0
96	1930 Bldg	180	XRF	7/18/97	2	Classroom	204	Window	Casing	Solid	Wood	0.04
97	1930 Bldg	181	XRF	7/18/97	2	Classroom	204		Radiator	Solid	Metal	0.14
98	1930 Bldg	182	XRF	7/18/97	2	Classroom	204		Radiator	Solid	Metal	0.08
99	1930 Bldg	27	XRF	7/21/97	2	Classroom	205	Cabinet	Door	Solid	Wood	0.01
100	1930 Bldg	28	XRF	7/21/97	2	Classroom	205	Door	Casing	Solid	Wood	0.02
101	1930 Bldg	29	XRF	7/21/97	2	Classroom	205	Door	Door	Solid	Wood	0.03
102	1930 Bldg	26	XRF	7/21/97	2	Classroom	205	Wall	Baseboar	Solid	Metal	0.45
103	1930 Bldg	201	XRF	7/18/97	2	Classroom	206	Cabinet	Door	Solid	Wood	0.01
104	1930 Bldg	196	XRF	7/18/97	2	Classroom	206	Chalkboar	Rail	Solid	Wood	0.01
105	1930 Bldg	202	XRF	7/18/97	2	Classroom	206	Door	Casing	Solid	Wood	0.01
106	1930 Bldg	203	XRF	7/18/97	2	Classroom	206	Door	Door	Solid	Wood	0.02
107	1930 Bldg	200	XRF	7/18/97	2	Classroom	206	Radiator	Guard	Solid	Wood	0
108	1930 Bldg	197	XRF	7/18/97	2	Classroom	206	Wall	Wall	Solid	Plaster	0.11
109	1930 Bldg	198	XRF	7/18/97	2	Classroom	206	Window	Casing	Solid	Wood	0.01
110	1930 Bldg	199	XRF	7/18/97	2	Classroom	206		Radiator	Solid	Metal	0.77
111	1930 Bldg	19	XRF	7/21/97	2	Classroom	207	Cabinet	Door	Solid	Wood	0.02
112	1930 Bldg	18	XRF	7/21/97	2	Classroom	207	Chalkboar	Rail	Solid	Wood	0.01
113	1930 Bldg	21	XRF	7/21/97	2	Classroom	207	Door	Casing	Solid	Wood	0.02
114	1930 Bldg	22	XRF	7/21/97	2	Classroom	207	Door	Door	Solid	Wood	0.03
115	1930 Bldg	20	XRF	7/21/97	2	Classroom	207	Wall	Wall	Solid	Plaster	0.25
116	1930 Bldg	17	XRF	7/21/97	2	Classroom	207	Window	Casing	Solid	Wood	0.03
117	1930 Bldg	16	XRF	7/21/97	2	Classroom	207		Radiator	Solid	Metal	0.03
118	1930 Bldg	34	XRF	7/18/97	1	Hall	0	Door	Casing	Solid	Metal	0.01
119	1930 Bldg	35	XRF	7/18/97	1	Hall	0	Door	Casing	Solid	Metal	0.08

Saint Paul Public Schools
Mann Elementary School
Lead-Based Paint Inspection

3	A	B	C	D	E	F	G	H	I	J	K	L
	Site	Sample#	Analysis	Date	Floor	Area	Room#	Compone	Feature	Condition	Substrate	Result
120	1930 Bldg	37	XRF	7/18/97	1	Hall	0	Door	Casing	Solid	Wood	0.02
121	1930 Bldg	38	XRF	7/18/97	1	Hall	0	Door	Door	Solid	Wood	0.01
122	1930 Bldg	32	XRF	7/18/97	1	Hall	0	Wall	Midle Wall	Solid	Plaster	0.07
123	1930 Bldg	36	XRF	7/18/97	1	Hall	0	Wall	Baseboar	Cracked	Metal	0.55
124	1930 Bldg	33	XRF	7/18/97	1	Hall	0		Elec Pane	Solid	Metal	0.01
125	1930 Bldg	118	XRF	7/18/97	1	Hall	1	Chalkboar	Rail	Solid	Wood	0
126	1930 Bldg	116	XRF	7/18/97	1	Hall	1	Door	Casing	Solid	Metal	0.32
127	1930 Bldg	117	XRF	7/18/97	1	Hall	1	Door	Door	Solid	Wood	0.29
128	1930 Bldg	123	XRF	7/18/97	1	Hall	1	Door	Casing	Solid	Metal	0
129	1930 Bldg	126	XRF	7/18/97	1	Hall	1	Door	Door	Solid		0.02
130	1930 Bldg	122	XRF	7/18/97	1	Hall	1	Radiator	Guard	Solid	Wood	0
131	1930 Bldg	115	XRF	7/18/97	1	Hall	1	Wall	Midle Wall	Solid	Plaster	0.02
132	1930 Bldg	124	XRF	7/18/97	1	Hall	1	Wall	Chair rail	Solid	Metal	0.11
133	1930 Bldg	125	XRF	7/18/97	1	Hall	1	Wall	Wall	Solid	Plaster	0.12
134	1930 Bldg	119	XRF	7/18/97	1	Hall	1		Elec Pane	Solid	Metal	0.08
135	1930 Bldg	120	XRF	7/18/97	1	Hall	1		Locker	Solid	Metal	0.17
136	1930 Bldg	121	XRF	7/18/97	1	Hall	1		Radiator	Solid	Metal	0.08
137	1930 Bldg	32	XRF	7/21/97	2	Hall	2	Door	Casing	Solid	Wood	0.18
138	1930 Bldg	33	XRF	7/21/97	2	Hall	2	Door	Door	Solid	Wood	0.42
139	1930 Bldg	34	XRF	7/21/97	2	Hall	2	Door	Casing	Solid	Metal	0.03
140	1930 Bldg	31	XRF	7/21/97	2	Hall	2	Wall	Chair rail	Peeling	Metal	0.14
141	1930 Bldg	35	XRF	7/21/97	2	Hall	2	Wall	Midle Wall	Solid	Plaster	0.23
142	1930 Bldg	36	XRF	7/21/97	2	Hall	2	Wall	Frame	Solid	Metal	0.23
143	1930 Bldg	30	XRF	7/21/97	2	Hall	2		Locker	Solid	Metal	0.14
144	1930 Bldg	123	XRF	7/21/97	1	Outside	1	Door	Casing	Cracked	Wood	5.09
145	1930 Bldg	126	XRF	7/21/97	1	Outside	1	Door	Door	Solid	Metal	0.21
146	1930 Bldg	128	XRF	7/21/97	1	Outside	1	Floor		Solid	Concrte	3.84
147	1930 Bldg	127	XRF	7/21/97	1	Outside	1	Grounds	Fence	Solid	Metal	0.03
148	1930 Bldg	124	XRF	7/21/97	1	Outside	1	Stairs	Hand rail	Peeling	Metal	0.02
149	1930 Bldg	125	XRF	7/21/97	1	Outside	1	Window	Casing	Solid	Metal	0.13
150	1930 Bldg	95	XRF	7/18/97	1	Restroom	1	Door	Door	Solid	Wood	0.03
151	1930 Bldg	96	XRF	7/18/97	1	Restroom	1	Door	Casing	Solid	Wood	0.02
152	1930 Bldg	100	XRF	7/18/97	1	Restroom	1	Radiator	Guard	Peeling	Wood	0
153	1930 Bldg	97	XRF	7/18/97	1	Restroom	1	Wall	Chair rail	Solid	Metal	0.13
154	1930 Bldg	98	XRF	7/18/97	1	Restroom	1	Wall	Midle Wall	Solid	Plaster	0.04
155	1930 Bldg	101	XRF	7/18/97	1	Restroom	1	Window	Casing	Solid	Wood	0.04
156	1930 Bldg	99	XRF	7/18/97	1	Restroom	1		Radiator	Peeling	Metal	0.5
157	1930 Bldg	102	XRF	7/18/97	1	Restroom	2	Door	Door	Solid	Wood	0
158	1930 Bldg	103	XRF	7/18/97	1	Restroom	2	Door	Casing	Solid	Wood	0.02
159	1930 Bldg	107	XRF	7/18/97	1	Restroom	2	Radiator	Guard	Solid	Wood	0
160	1930 Bldg	104	XRF	7/18/97	1	Restroom	2	Wall	Midle Wall	Cracked	Plaster	0.13
161	1930 Bldg	105	XRF	7/18/97	1	Restroom	2	Window	Casing	Solid	Wood	0.06
162	1930 Bldg	106	XRF	7/18/97	1	Restroom	2		Radiator	Peeling	Metal	0.09
163	1930 Bldg	184	XRF	7/18/97	1	Restroom	3	Door	Door	Solid	Wood	0.04
164	1930 Bldg	185	XRF	7/18/97	1	Restroom	3	Door	Casing	Solid	Wood	0.04
165	1930 Bldg	189	XRF	7/18/97	1	Restroom	3	Radiator	Guard	Solid	Wood	0
166	1930 Bldg	186	XRF	7/18/97	1	Restroom	3	Wall	Midle Wall	Solid	Plaster	0.34
167	1930 Bldg	187	XRF	7/18/97	1	Restroom	3	Wall	Chair rail	Solid	Metal	0.09
168	1930 Bldg	190	XRF	7/18/97	1	Restroom	3	Window	Casing	Solid	Wood	0.04
169	1930 Bldg	188	XRF	7/18/97	1	Restroom	3		Radiator	Solid	Metal	0.12
170	1930 Bldg	44	XRF	7/18/97	1	Restroom	4	Door	Casing	Solid	Wood	0
171	1930 Bldg	46	XRF	7/18/97	1	Restroom	4	Door	Door	Solid	Wood	0
172	1930 Bldg	191	XRF	7/18/97	1	Restroom	4	Door	Door	Solid	Wood	0.01
173	1930 Bldg	192	XRF	7/18/97	1	Restroom	4	Door	Casing	Solid	Wood	0.02
174	1930 Bldg	195	XRF	7/18/97	1	Restroom	4	Radiator	Guard	Solid	Wood	0
175	1930 Bldg	45	XRF	7/18/97	1	Restroom	4	Wall	Midle Wall	Solid	Plaster	0
176	1930 Bldg	193	XRF	7/18/97	1	Restroom	4	Wall	Midle Wall	Solid	Plaster	0.23
177	1930 Bldg	43	XRF	7/18/97	1	Restroom	4	Window	Casing	Solid	Wood	0.02
178	1930 Bldg	42	XRF	7/18/97	1	Restroom	4		Radiator	Solid	Metal	0

Saint Paul Public Schools
Mann Elementary School
Lead-Based Paint Inspection

	A	B	C	D	E	F	G	H	I	J	K	L
3	Site	Sample#	Analysis	Date	Floor	Area	Room#	Compone	Feature	Condition	Substrate	Result
179	1930 Bldg	194	XRF	7/18/97	1	Restroom	4		Radiator	Solid	Metal	0.05
180	1930 Bldg	25	XRF	7/18/97	1	Room	1	Cabinet	Door	Solid	Wood	0.01
181	1930 Bldg	21	XRF	7/18/97	1	Room	1	Ceiling		Peeling	Plaster	0.12
182	1930 Bldg	20	XRF	7/18/97	1	Room	1	Door	Door	Solid	Wood	0.01
183	1930 Bldg	22	XRF	7/18/97	1	Room	1	Door	Door	Solid	Metal	5.09
184	1930 Bldg	24	XRF	7/18/97	1	Room	1	Door	Casing	Solid	Wood	0.01
185	1930 Bldg	26	XRF	7/18/97	1	Room	1	Floor		Solid	Wood	0
186	1930 Bldg	23	XRF	7/18/97	1	Room	1	Wall	Midle Wall	Solid	Plaster	0.21
187	1930 Bldg	27	XRF	7/18/97	1	Room	2	Door	Door	Solid	Wood	0
188	1930 Bldg	28	XRF	7/18/97	1	Room	2	Door	Casing	Solid	Metal	0.13
189	1930 Bldg	29	XRF	7/18/97	1	Room	2	Wall	Midle Wall	Solid	Plaster	0.08
190	1930 Bldg	31	XRF	7/18/97	1	Room	2	Wall	Baseboar	Cracked	Metal	0.73
191	1930 Bldg	30	XRF	7/18/97	1	Room	2	Window	Casing	Solid	Wood	0.02
192	1930 Bldg	48	XRF	7/18/97	1	Room	3	Door	Casing	Solid	Wood	0.01
193	1930 Bldg	51	XRF	7/18/97	1	Room	3	Door	Casing	Solid	Metal	0
194	1930 Bldg	49	XRF	7/18/97	1	Room	3	Wall	Wall	Solid	Metal	0
195	1930 Bldg	50	XRF	7/18/97	1	Room	3	Wall	Midle Wall	Solid	Plaster	0
196	1930 Bldg	47	XRF	7/18/97	1	Room	3		Radiator	Solid	Metal	0
197	1930 Bldg	55	XRF	7/18/97	1	Room	5	Bookcase	Shelf	Solid	Wood	0.04
198	1930 Bldg	56	XRF	7/18/97	1	Room	5	Door	Casing	Solid	Metal	0.01
199	1930 Bldg	57	XRF	7/18/97	1	Room	5	Door	Casing	Solid		0.03
200	1930 Bldg	54	XRF	7/18/97	1	Room	5	Wall	Midle Wall	Cracked	Plaster	0.06
201	1930 Bldg	53	XRF	7/18/97	1	Room	5	Window	Casing	Solid	Wood	0.01
202	1930 Bldg	52	XRF	7/18/97	1	Room	5		Radiator	Solid	Metal	0
203	1930 Bldg	90	XRF	7/18/97	1	Room	103	Bookcase	Inside	Solid	Wood	0.18
204	1930 Bldg	92	XRF	7/18/97	1	Room	103	Door	Door	Solid	Wood	0.03
205	1930 Bldg	93	XRF	7/18/97	1	Room	103	Door	Casing	Solid	Wood	0.03
206	1930 Bldg	89	XRF	7/18/97	1	Room	103	Radiator	Guard	Solid	Wood	0
207	1930 Bldg	91	XRF	7/18/97	1	Room	103	Wall	Midle Wall	Solid	Plaster	0.13
208	1930 Bldg	94	XRF	7/18/97	1	Room	103	Wall	Baseboar	Solid	Metal	0.34
209	1930 Bldg	88	XRF	7/18/97	1	Room	103		Radiator	Peeling	Metal	0.09
210	1930 Bldg	24	XRF	7/21/97	2	Room	205	Chalkboar	Rail	Solid	Wood	0
211	1930 Bldg	23	XRF	7/21/97	2	Room	205	Window	Casing	Solid	Wood	0.26
212	1930 Bldg	39	XRF	7/18/97	1	Stairwell	1	Stairs	Hand rail	Solid	Wood	0
213	1930 Bldg	40	XRF	7/18/97	1	Stairwell	1	Stairs	Wall	Solid	Plaster	0.03
214	1930 Bldg	41	XRF	7/18/97	1	Stairwell	1	Stairs	Wall	Solid	Plaster	0
215	1930 Bldg	133	XRF	7/18/97	1	Stairwell	2	Ceiling		Solid	Plaster	0.3
216	1930 Bldg	131	XRF	7/18/97	1	Stairwell	2	Door	Door	Cracked	Wood	0.02
217	1930 Bldg	132	XRF	7/18/97	1	Stairwell	2	Door	Casing	Solid	Wood	0.06
218	1930 Bldg	130	XRF	7/18/97	1	Stairwell	2	Radiator	Guard	Solid	Wood	0
219	1930 Bldg	136	XRF	7/18/97	1	Stairwell	2	Stairs	Hand rail	Solid	Wood	0
220	1930 Bldg	127	XRF	7/18/97	1	Stairwell	2	Wall	Midle Wall	Solid	Plaster	0.01
221	1930 Bldg	128	XRF	7/18/97	1	Stairwell	2	Wall	Chair rail	Solid	Metal	0.27
222	1930 Bldg	134	XRF	7/18/97	1	Stairwell	2	Wall	Midle Wall	Solid	Plaster	0.18
223	1930 Bldg	135	XRF	7/18/97	1	Stairwell	2	Wall	Mural	Solid	Plaster	0.26
224	1930 Bldg	129	XRF	7/18/97	1	Stairwell	2		Radiator	Peeling	Metal	0.02
225	1930 Bldg	145	XRF	7/18/97	1	Stairwell	3	Ceiling		Solid	Plaster	0.14
226	1930 Bldg	137	XRF	7/18/97	1	Stairwell	3	Door	Door	Solid	Wood	0.03
227	1930 Bldg	138	XRF	7/18/97	1	Stairwell	3	Door	Casing	Solid	Wood	0.04
228	1930 Bldg	139	XRF	7/18/97	1	Stairwell	3	Door	Door	Solid	Metal	0.14
229	1930 Bldg	140	XRF	7/18/97	1	Stairwell	3	Door	Casing	Solid	Metal	0.27
230	1930 Bldg	147	XRF	7/18/97	1	Stairwell	3	Door	Casing	Solid	Wood	0.3
231	1930 Bldg	148	XRF	7/18/97	1	Stairwell	3	Door	Door	Solid	Wood	0.4
232	1930 Bldg	142	XRF	7/18/97	1	Stairwell	3	Radiator	Guard	Solid	Wood	0
233	1930 Bldg	150	XRF	7/18/97	1	Stairwell	3	Stairs	Hand rail	Solid	Wood	0
234	1930 Bldg	143	XRF	7/18/97	1	Stairwell	3	Wall	Midle Wall	Solid	Plaster	0.01
235	1930 Bldg	144	XRF	7/18/97	1	Stairwell	3	Wall	Mural	Solid	Plaster	0.17
236	1930 Bldg	146	XRF	7/18/97	1	Stairwell	3	Wall	Midle Wall	Solid	Plaster	0.14
237	1930 Bldg	149	XRF	7/18/97	1	Stairwell	3	Wall	Chair rail	Solid	Metal	0.21

Saint Paul Public Schools
Mann Elementary School
Lead-Based Paint Inspection

	A	B	C	D	E	F	G	H	I	J	K	L
3	Site	Sample#	Analysis	Date	Floor	Area	Room#	Compone	Feature	Condition	Substrate	Result
238	1930 Bldg	141	XRF	7/18/97	1	Stairwell	3		Radiator	Solid	Metal	0.16
239	1930 Bldg	37	XRF	7/21/97	1	Stairwell	4	Wall	Midle Wall	Solid	Plaster	0.02
240	1930 Bldg	38	XRF	7/21/97	1	Stairwell	4	Wall	Midle Wall	Solid	Drywall	0
241	1955 Bldg	79	XRF	7/21/97	1	Classroom	109	Cabinet	Door	Solid	Wood	0.31
242	1955 Bldg	86	XRF	7/21/97	1	Classroom	109	Cabinet	Door	Solid	Wood	0.08
243	1955 Bldg	80	XRF	7/21/97	1	Classroom	109	Door	Casing	Solid	Metal	0.2
244	1955 Bldg	81	XRF	7/21/97	1	Classroom	109	Door	Door	Solid	Wood	0
245	1955 Bldg	82	XRF	7/21/97	1	Classroom	109	Door	Casing	Solid	Metal	0
246	1955 Bldg	87	XRF	7/21/97	1	Classroom	109	Door	Casing	Solid	Metal	0.32
247	1955 Bldg	88	XRF	7/21/97	1	Classroom	109	Door	Door	Solid	Wood	0
248	1955 Bldg	89	XRF	7/21/97	1	Classroom	109	Door	Casing	Solid	Metal	0
249	1955 Bldg	85	XRF	7/21/97	1	Classroom	109	Wall	Wall	Solid	Plaster	0.28
250	1955 Bldg	90	XRF	7/21/97	1	Classroom	109	Wall	Midle Wall	Solid	Plaster	0.02
251	1955 Bldg	83	XRF	7/21/97	1	Classroom	109		Radiator	Solid	Metal	0.04
252	1955 Bldg	84	XRF	7/21/97	1	Classroom	109		Radiator	Solid	Metal	0.15
253	1955 Bldg	91	XRF	7/21/97	1	Classroom	109		Radiator	Solid	Metal	0.06
254	1955 Bldg	92	XRF	7/21/97	1	Classroom	109		Radiator	Solid	Metal	0.13
255	1955 Bldg	93	XRF	7/21/97	1	Classroom	110	Cabinet	Door	Solid	Wood	0.14
256	1955 Bldg	94	XRF	7/21/97	1	Classroom	110	Door	Casing	Solid	Metal	0.14
257	1955 Bldg	95	XRF	7/21/97	1	Classroom	110	Door	Door	Solid	Wood	0
258	1955 Bldg	96	XRF	7/21/97	1	Classroom	110	Wall	Midle Wall	Solid	Plaster	0.05
259	1955 Bldg	97	XRF	7/21/97	1	Classroom	110		Radiator	Solid	Metal	0.07
260	1955 Bldg	98	XRF	7/21/97	1	Classroom	110		Radiator	Solid	Metal	0.08
261	1955 Bldg	40	XRF	7/21/97	2	Classroom	208	Door	Casing	Solid	Metal	0.11
262	1955 Bldg	41	XRF	7/21/97	2	Classroom	208	Door	Door	Solid	Wood	0
263	1955 Bldg	42	XRF	7/21/97	2	Classroom	208	Door	Casing	Solid	Metal	0.08
264	1955 Bldg	43	XRF	7/21/97	2	Classroom	208	Door	Door	Solid	Metal	0
265	1955 Bldg	39	XRF	7/21/97	2	Classroom	208	Wall	Midle Wall	Solid	Concrte	0
266	1955 Bldg	45	XRF	7/21/97	2	Classroom	208	Wall	Midle Wall	Solid	Drywall	0
267	1955 Bldg	44	XRF	7/21/97	2	Classroom	208		Radiator	Solid	Metal	0
268	1955 Bldg	46	XRF	7/21/97	2	Classroom	209	Cabinet	Door	Solid	Wood	0.84
269	1955 Bldg	47	XRF	7/21/97	2	Classroom	209	Door	Casing	Solid	Metal	0.32
270	1955 Bldg	48	XRF	7/21/97	2	Classroom	209	Door	Door	Solid	Wood	0
271	1955 Bldg	49	XRF	7/21/97	2	Classroom	209	Wall	Midle Wall	Solid	Plaster	0.02
272	1955 Bldg	50	XRF	7/21/97	2	Classroom	209		Radiator	Solid	Metal	0.02
273	1955 Bldg	51	XRF	7/21/97	2	Classroom	209		Radiator	Solid	Metal	0.13
274	1955 Bldg	52	XRF	7/21/97	2	Classroom	210	Cabinet	Door	Solid	Wood	0.04
275	1955 Bldg	53	XRF	7/21/97	2	Classroom	210	Door	Casing	Solid	Metal	0.44
276	1955 Bldg	54	XRF	7/21/97	2	Classroom	210	Door	Door	Solid	Wood	0
277	1955 Bldg	55	XRF	7/21/97	2	Classroom	210	Door	Casing	Solid	Metal	0
278	1955 Bldg	56	XRF	7/21/97	2	Classroom	210	Wall	Wall	Solid	Plaster	0.02
279	1955 Bldg	57	XRF	7/21/97	2	Classroom	210		Radiator	Solid	Metal	0.06
280	1955 Bldg	58	XRF	7/21/97	2	Classroom	210		Radiator	Solid	Metal	0.1
281	1955 Bldg	118	XRF	7/21/97	1	Hall	3	Bench	Wall	Solid	Wood	0
282	1955 Bldg	114	XRF	7/21/97	1	Hall	3	Door	Casing	Solid	Metal	0
283	1955 Bldg	115	XRF	7/21/97	1	Hall	3	Door	Door	Solid	Wood	0
284	1955 Bldg	119	XRF	7/21/97	1	Hall	3	Door	Casing	Solid	Metal	0.08
285	1955 Bldg	121	XRF	7/21/97	1	Hall	3	Door	Casing	Solid	Metal	0.14
286	1955 Bldg	122	XRF	7/21/97	1	Hall	3	Door	Door	Solid	Metal	0
287	1955 Bldg	116	XRF	7/21/97	1	Hall	3	Wall	Midle Wall	Solid	Plaster	0.22
288	1955 Bldg	120	XRF	7/21/97	1	Hall	3	Window	Casing	Solid	Metal	0.2
289	1955 Bldg	117	XRF	7/21/97	1	Hall	3		Radiator	Solid	Metal	0.06
290	1955 Bldg	68	XRF	7/21/97	1	Hall	4	Bench		Solid	Wood	0
291	1955 Bldg	65	XRF	7/21/97	1	Hall	4	Door	Casing	Solid	Metal	0.14
292	1955 Bldg	66	XRF	7/21/97	1	Hall	4	Door	Casing	Solid	Metal	0.04
293	1955 Bldg	67	XRF	7/21/97	1	Hall	4	Door	Door	Solid	Metal	0
294	1955 Bldg	64	XRF	7/21/97	1	Hall	4		Radiator	Solid	Metal	0.07
295	1955 Bldg	104	XRF	7/21/97	1	Library	1	Door	Casing	Solid	Metal	0.03
296	1955 Bldg	105	XRF	7/21/97	1	Library	1	Door	Door	Solid	Metal	0.07

Saint Paul Public Schools
Mann Elementary School
Lead-Based Paint Inspection

3	A	B	C	D	E	F	G	H	I	J	K	L
	Site	Sample#	Analysis	Date	Floor	Area	Room#	Compone	Feature	Condition	Substrate	Result
297	1955 Bldg	106	XRF	7/21/97	1	Library	1	Door	Casing	Solid	Metal	0.07
298	1955 Bldg	107	XRF	7/21/97	1	Library	1	Door	Door	Solid	Wood	0
299	1955 Bldg	103	XRF	7/21/97	1	Library	1	Wall	Wall	Solid	Concrte	0
300	1955 Bldg	102	XRF	7/21/97	1	Library	1		Radiator	Solid	Metal	0
301	1955 Bldg	59	XRF	7/21/97	1	Restroom	5	Door	Casing	Solid	Metal	0.05
302	1955 Bldg	60	XRF	7/21/97	1	Restroom	5	Door	Door	Solid	Wood	0
303	1955 Bldg	61	XRF	7/21/97	1	Restroom	5	Door	Bthrm Still	Solid	Metal	0.12
304	1955 Bldg	62	XRF	7/21/97	1	Restroom	5	Door	Casing	Solid	Metal	0.02
305	1955 Bldg	63	XRF	7/21/97	1	Restroom	5		Radiator	Solid	Metal	0.02
306	1955 Bldg	72	XRF	7/21/97	1	Restroom	6	Door	Casing	Solid	Metal	0.08
307	1955 Bldg	73	XRF	7/21/97	1	Restroom	6	Door	Door	Solid	Wood	0
308	1955 Bldg	69	XRF	7/21/97	1	Restroom	6	Wall	Wall	Solid	Wood	0
309	1955 Bldg	71	XRF	7/21/97	1	Restroom	6	Wall	Stall Door	Solid	Metal	0.1
310	1955 Bldg	70	XRF	7/21/97	1	Restroom	6		Radiator	Solid	Metal	0.06
311	1955 Bldg	108	XRF	7/21/97	1	Restroom	7	Door	Casing	Solid	Metal	0
312	1955 Bldg	109	XRF	7/21/97	1	Restroom	7	Door	Door	Solid	Wood	0
313	1955 Bldg	112	XRF	7/21/97	1	Restroom	8	Door	Casing	Solid	Metal	0
314	1955 Bldg	113	XRF	7/21/97	1	Restroom	8	Door	Door	Solid	Wood	0
315	1955 Bldg	111	XRF	7/21/97	1	Restroom	8	Window	Panel	Solid	Wood	0.01
316	1955 Bldg	110	XRF	7/21/97	1	Restroom	8		Radiator	Solid	Metal	0
317	1955 Bldg	99	XRF	7/21/97	1	Room	112	Door	Casing	Solid	Metal	0.03
318	1955 Bldg	100	XRF	7/21/97	1	Room	112	Door	Door	Solid	Wood	0
319	1955 Bldg	101	XRF	7/21/97	1	Room	112	Wall	Midle Wall	Solid	Plaster	0.05
320	1955 Bldg	76	XRF	7/21/97	1	Stairwell	5	Door	Door	Solid	Metal	0
321	1955 Bldg	78	XRF	7/21/97	1	Stairwell	5	Door	Door	Solid	Wood	0
322	1955 Bldg	77	XRF	7/21/97	1	Stairwell	5	Wall	Wall	Solid	Plaster	0.17
323	1955 Bldg	75	XRF	7/21/97	1	Stairwell	5	Window	Casing	Solid	Metal	0.04
324	1955 Bldg	74	XRF	7/21/97	1	Stairwell	5		Radiator	Solid	Metal	0.11

APPENDIX B

LABORATORY SAMPLE ANALYSIS DATA



301 West County Road E2 • St. Paul, MN 55112
(612) 633-0101 • FAX (612) 633-1402

LABORATORY ANALYSIS REPORT

DATE: August 8, 1997

PAGE: 1 Of 1

CLIENT: Midwest Environmental Cons.
5385 401st Ave. NW
Dalbo, MN 55017

PROJECT NO.: 072397-200888
COLLECTION DATE: 7/21/97
COLLECTED BY: Client
RECEIVED DATE: 7/23/97
PROJECT DESCRP.: 62/0197AS

CONTACT: Richard Cox

<u>ANALYSIS</u>	<u>UNITS</u>	<u>Sample No.:</u> <u>Sample ID.:</u> <u>MDL</u>	<u>PC-1</u> <u>RESULT</u>	<u>ANALYSIS</u> <u>DATE</u>
Lead (6010A)	mg/kg	20	4500	8/08/97

ND means Not Detected or below reported MDL

MDL means Method Detection Limit

mg/kg means Milligrams Per Kilogram which is equivalent to Parts Per Million (ppm)

This report has been reviewed by me for technical accuracy and completeness. The analyses were performed using EPA or other approved methodologies and the results were reported on an "as received" basis unless otherwise noted. Organic soil analyses were reported on a dry weight basis. The results reported relate only to the items tested. Please contact me if you have any questions or comments regarding this report. Spectrum Labs, Inc. appreciates the opportunity to provide this analytical service for you.

Report Submitted By,


Thomas L. Halverson
Laboratory Manager

TLH:wmc
mec220-3

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A member of The Marmon Group of Companies

Contact BOB HARGROVE

Phone/Fax

[illegible]

Sampled By: SEI Bare Date: 9/7/22 Time: _____

Date: 9/7/22 / Time:

Time:

Received By:

Date:

Time:

Received By Lab:

Date: 7/23

Time: 1148

Delivered By:

Date: 470723

Time: 1148

Delivered By:

Date:

Time:

Disposition of Samples

Notes:

02

APPENDIX C INSPECTOR

Bob E. Hargrove
MDH Lead Inspector # 416