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LEAD BASE PAINT SURVEY OF 12 DUPLEX FAMILY UNITS SECTION 1 CNC  
CHARLESTON SC  
4/1/2001  
PRECISION ENVIRONMENTAL MANAGEMENT, INC.

**LEAD BASE PAINT SURVEY OF  
12 DUPLEX FAMILY UNITS AT  
CHARLESTON NAVAL COMPLEX  
CHARLESTON, SC**

**SECTION ONE**



**PRECISION**

Environmental Management, Inc.

1627 Peachtree Street N.E. · Suite 222 · Atlanta, Georgia 30309  
Telephone: (404) 874-6263 · Fax: (404) 874-4342

**LEAD BASE PAINT SURVEY OF  
12 DUPLEX FAMILY UNITS AT  
CHARLESTON NAVAL COMPLEX  
CHARLESTON, SC**

**April 5, 2001**

**PREPARED FOR:  
DEPARTMENT OF THE NAVY  
SOUTHERN DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
2155 EAGLE DRIVE  
NORTH CHARLESTON, SC 29418**

**ATTN: Ms. LAURI PAGGI, Contr.**

**PREPARED BY:  
LEON A. LOBBAN, CIH  
PRECISION ENVIRONMENTAL  
MANAGEMENT, INC.  
131 PONCE DE LEON AVE.,  
SUITE 215, ATLANTA, GA., 30308**

**SECTION ONE**

## **1.0 Executive Summary**

Precision Environmental Management, Inc (PEM) has completed its inspection of all flaking Lead Base paint (flaking LBP) on the interior of each of the following housing units: AA, BB, CC, DD, EE, FF, GG, HH, II, JJ, KK, and LL. Flaking paint was observed in 10 of the 12 units inspected (Appendix A). Thirty-one paint chip samples was collected (Table1-0, Appendix A) from building components and analyzed for percent lead composition. Lead concentrations ranged between less than 0.03 and 1.10 percent by weight lead. The laboratory's reporting limits (RL) ranged between 0.03, and 0.10 percent by weight lead (Appendix A, table1-0).

Based upon the results of PEM's field investigation and sampling, in conjunction with Hygeia's Laboratories, Inc's analytical report, and The Department Of Housing and Urban development (HUD) Guidelines, the flaking paint that was observed and sampled were not "Lead Base Paint" by definition.

## **2.0 Introduction**

Precision Environmental Management, Inc (PEM) contracted with The department Of The Navy, Southern Division Naval facilities Engineering Command, North Charleston, SC (SOUTHDIV) to conduct a LBP survey of 11 duplex family housing units at Charleston Naval Complex, Charleston, SC. The work was executed under Contract/Purchase Order/Agreement No. N62467-01-M-0326.

The survey/inspection complied with the multifamily protocol outlined in chapter 7 (1997 revision) of the HUD Guidelines, and was conducted during the period 03/08/-03/14/01. Mr. Eric Hodge, Senior Environmental Scientist, and Mr. Wayne Gladney, Field Technician, were assigned to the conduct all field activities. Mr. Leon Lobban, CIH directed all aspects of the survey and prepared the Final Report. LBP and related Certifications for Messers Lobban, Hodges, and Gladney are attached as Appendix B.

## **3.0 Lead Base Paint Survey**

### **3.1 Survey protocol**

The LBP survey consisted of conducting a detailed inspection of all painted surfaces, and collecting paint chip samples from interior building components determined to be damaged or flaking. Paint chip samples obtained from the 12 family Housing Units identified by SOUTHDIV, were analyzed by Flame AAS, in accordance with EPA Method 7420A, by Hygeia Laboratories, Inc, Marietta Georgia. Hygeia is AIHA Accredited, and participates in the ELLAP – ELPAT matrices: Paint, Soil, Dust. Copies of Hygeia's certifications are included as Appendix C.

### **3.2 Summary Of Each Components Tested**

Building components tested included door jams, walls, window casings, ceilings, Staircases, baseboards, door jams, door casings, moldings on porch doors, and mechanical room doors (Appendices D, and E and attached photo log). Surface areas of damaged/flaking paint ranged between 0.05 and 21.0 square feet (sq. ft.). Substrates consisted of wood, plaster, and sheetrock. In general, PEM's LBP Inspectors/Risk Assessor observed the paint in the inspected Family Housing Units to be in good condition. Refer to table 3-2, and field notes included as Appendix D.

### **3.3 Summary Of Identified LBP Components Type including Approximate locations**

Lead Base Paint (LBP) is any paint, varnish, stain, or other applied coating that has one (1) milligram of coating per square centimeter (or 500 micrograms per gram dry weight), or which contains at least 0.5% by weight lead. The terms "leaded paint" and "lead paint" are synonymous with "lead base paint". LBP was not identified in any unit tested (refer to table 3-2 for summary of each component tested and Appendix A for laboratory report).

### **3.4 Discussion Of Applicable Regulatory Requirements**

LBP was not identified in any of the paint chip samples, therefore LBP guidelines and/or LBP regulatory requirements do not apply.

### **3.5 Typical Floor Plans Indicating paint Chip sample Locations.**

Refer to Field notes/floor plans included as appendix E.

### **3.6 Individual Laboratory Analyses Report**

Lead concentrations ranged between 0.1, and 0.03 percent by weight lead. LBP was not detected in any of the paint chip samples. In other words, flaking paint in the 11 duplex family housing units surveyed, was not LBP. Refer to table 3-2 and Appendix A for laboratory analytical reports.

**TABLE 1-0 SUMMARY OF LABORATORY REPORT- PERCENY (%) BY WEIGHT LEAD**

Sample ID #	Sample Location	% By Weight Lead	Laboratory Reporting limit	House ID #	LBP
795-1	Kitchen-left door jams	0.61	0.05	795 Ave, F	No
795-2	Bathroom 1-wall A	0.61	0.05	795 Ave, F	No
795-3	Room 1- door front side	0.64	0.05	795 Ave, F	No
795-4	Bathroom # 3-wall A	0.50	0.03	795 Ave, F	No
795-6	Room # 4-waa D, left casing	0.70	0.05	795 Ave, F	No
795-7	Bathroom # 5 – wall B	0.63	0.03	795 Ave, F	No
795-8	Hall # 2- ceiling	BRL	0.03	795 Ave, F	No
1285-1	Staircase – left side	0.30	0.03	EE	No
1285-2	Room # 1- Wall B	0.06	0.03	EE	No
1288-1	Room # 3 – 2 <sup>nd</sup> floor basebrd.	BRL	0.03	FF	No
1288-2	2 <sup>nd</sup> floor – bthrm # 3 doorjam	0.07	0.03	FF	No
1293-1	Hallway –3 door			DD	No
1293-2	Room # 1, door front			DD	No
1293-3	Staircase railing to 2 <sup>nd</sup> floor			DD	No
1293-4	Porch 3 1- left door casing			DD	No
1294-1		0.05	0.05	GG	No
1294-2		0.08	0.08	GG	No
1294 -		BRL	0.03	GG	No
1304-1	Bathroom # 1-window casing	1.1	0.10	HH	No
1304-2	Hallway from porch # 2 door	0.11	0.03	HH	No
1304-3	2 <sup>nd</sup> Floor-Room # 1	0.08	0.03	HH	No
1305-1	Mech room exterior door	0.03	0.03	CC	No
1305-2	Bathroom # 1 interior door	BRL	0.03	CC	No
1305-3	Kitchen ceiling	BRL	0.03	CC	No
1310-1	Door# 3 door moldng left side	0.54	0.05	II	No
1311-1	Kitchen ceiling	BRL	0.03	BB	No
1311-2	Bedrom #3 baseboard wall C	0.53	0.03	BB	No
1311-3	Kitchen intake vent	0.26	0.03	BB	No
1345	Not Sampled- No damage			AA	
1350-1	Kitchen (A) closet mech rm door	BRL	0.03	JJ	No
1350-2	Room # © closet door edge	0.61	0.03		No
1350-3	Room # 1 Baseboard	0.47	0.03		No
1351	Not Sampled			LL	No
1356-1	Living room # 1 wall B	0.33	0.03		No
1356-2	Bedroom # 1 wall D 2 <sup>nd</sup> floor room 1D	0.16	0.03		No
1356-3	Bedroom # 2 wail B, Room 2B	0.13	0.03		No

**TABLE 3-2 SUMMARIES OF LABORATORY REPORTS AND EACH COMPONENT TESTED**

**Housing Unit 795 "F" Qtrs.**

Sample ID	Room	Building component	Matrix	Date Collected	Damaged surface area-sq.ft
795-1	Kitchen	Door jams – left	Chips	03/13/01	8.7
795-2	Bathroom # 1	Wall – A	Chips	03/13/01	1.8
795-3	Room # 1	Door- front side	Chips	03/13/01	
795-4	Bathroom # 3	Wall A	Chips	03/13/01	1.8
795-5	Room # 4	Wall D-window-left casing	Chips	03/13/01	
795-6	Bathroom # 4	Ceiling	Chips	03/13/01	1.8
795-7	Bathroom # 5	Wall B	Chips	03/13/01	10.8
795-8	Hall # 2	Ceiling	Chips	03/13/01	

**Housing Unit 1285 Ave. G Qtrs. (EE)**

Sample ID	Room	Building Component	Matrix	Date Collected	Damaged surface area-sq.ft
1285-1	Staircase	Staircase left side	Chips	03/13/01	8.7
1285-2	Room 3 1	Wall B	Chips	03/13/01	

**Housing Unit 1288 Ave. H Qtrs. (FF)**

Sample ID	Room	Building Component	Matrix	Date Collected	Damaged surface area-sq.ft
1288-1	Room 3	2 <sup>nd</sup> floor baseboard	Chips	03/13/01	1.8
1288-2	2 <sup>nd</sup> floor	Bathroom # 3 door jam	Chips	03/13/01	10

**Housing Unit 1294 Ave. H Qtrs. (GG)**

Sample ID	Room	Building Component	Matrix	Date Collected	Damaged surface area-sq.ft
1294-1	Room # 1	Molding on Porch door	Chips	03/09/01	0.05
1294-2	Bathroom # 1	Ceiling	Chips	03/09/01	0.05
1294	Bathroom # 2	Bedroom wall		03/09/01	0.05

Continued

TABLE 3-2 SUMMARIES OF LABORATORY REPORTS AND EACH COMPONENT TESTED

Housing Unit 1304 Ave. H Qtrs. (HH)

Sample ID	Room	Building Component	Matrix	Date Collected	Damaged surface area-sq.ft
1304-1	Bathroom # 1	Door interior	Chips	03/14/01	21.3
1304-2	Hallway from porch # 2	Door hinges	Chips	03/14/01	
1304-3	2 <sup>nd</sup> floor room # 1	Closet door	Chips	03/14/01	12.3

Housing Unit 1305 Ave. H Qtrs. (CC)

Sample ID	Room	Building Component	Matrix	Date Collected	Damaged surface area-sq.ft
1305-1	Mechanical room	Exterior door	Chips	03/09/01	1.0
1305-2	Bathroom # 1	Interior door	Chips	03/09/01	1.0
1305-3	Kitchen	Ceiling	Chips	03/09/01	1.0

Housing Unit 1310 Ave. H Qtrs. II

Sample ID	Room	Building Component	Matrix	Date Collected	Damaged surface area-sq.ft
1310-1	Room # 3	Door molding-left side	Chips	03/14/01	

Housing Unit 1311 Ave. G Qtrs. (BB)

Sample ID	Room	Building Component	Matrix	Date Collected	Damaged surface area-sq.ft
1311-1	Kitchen	Ceiling	Chips	03/09/01	1.0
1311-2	Bedroom # 3	Baseboard – wall C	Chips	03/09/01	0.50
1311-3	Kitchen	Intake vent	Chips	03/09/01	0.50

Continued

**TABLE 3-2 SUMMARIES OF LABORATORY REPORTS AND EACH COMPONENT TESTED -**

**Housing Unit 1356 Ave. G Qtrs. (JJ)**

Sample ID	Room	Building Component	Matrix	Date Collected	Damaged surface area-sq.ft
1350-1	Kitchen	(A) Closet Mech room door	Chips	03/08/01	1.0
1350-2	Room # 3	(C) Closet door edge	Chips	03/08/01	1.0
1350-3	Room # 1	(B) Basement	Chips	03/08/01	1.0

**Housing Unit 1356 Ave. H Qtrs. (KK)**

Sample ID	Room	Building Component	Matrix	Date Collected	Damaged surface area-sq.ft
1356-1	Living room # 1	Wall D	Chips	03/08/01	1.0
1356-2	Bedroom # 1	Wall D-2 <sup>nd</sup> floor room #1D	Chips	03/08/01	1.0
1356-3	Bedroom # 2	Wall D- Room 2 B	Chips	03/08/01	1.0

**APPENDIX A**  
**LABORATORY REPORT & CHAIN OF CUSTODY FORMS**



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**  
568 14th Street  
Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Complex - 795 Ave. "F" Qtr.**

Project ID: 1834

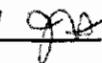
Received: 3/20/01

Lab Project No. 38402

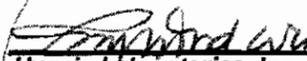
Report Date: 3/23/01

### CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
Eric Hodges  
Hygeia Laboratories, Inc.

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>MATRIX*</u>	<u>COLLECTED</u>
281675	795-1	CHIPS	3/13/01
281676	795-2	CHIPS	3/13/01
281677	795-3	CHIPS	3/13/01
281678	795-4	CHIPS	3/13/01
281679	795-5	CHIPS	3/13/01
281680	795-6	CHIPS	3/13/01
281681	795-7	CHIPS	3/13/01
281682	795-8	CHIPS	3/13/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. 38402

Report Date: 3/23/01

## Total Lead

Units: **Percent (%)** Method: **EPA 7420**  
**By Weight**

Matrix: Paint Chips Analysis Date: 3/22/01 Prep. Date: 3/21/01 Analyst: GEK

<u>Lab ID</u>	<u>Client ID</u>	<u>Result</u>	<u>Report Limit</u>
281675	795-1	0.61	0.05
281676	795-2	0.61	0.05
281677	795-3	0.64	0.05
281678	795-4	0.50	0.03
281679	795-5	0.70	0.05
281680	795-6	0.50	0.03
281681	795-7	0.63	0.05
281682	795-8	BRL	0.03

### NOTES:

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
- RL = "Reporting Limit"
- Dates are presented in the format "month/day/year"

#### Certifications

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
 Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
 North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

#### Accreditations

American Association for Laboratory Accreditation (A2LA) - No. 0330-01; American Industrial Hygiene Association (AIHA) - Lab ID 100649

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**PRECISION ENVIRONMENTAL  
MANAGEMENT, INC.**

**CHAIN OF CUSTODY RECORD**

<b>PROJECT NO.</b> 1834		<b>PROJECT NAME</b> Charleston Naval Complex <del>795-795</del> 795 Ave. "F" Qtr.		<b>NO. OF CONTAINERS</b>	<b>INDUSTRIAL HYGIENE SAMPLE</b>		<b>Y</b>	
<b>SAMPLERS: (Signature)</b>		<b>(Printed)</b>			<b>PARAMETERS</b>		<b>N</b>	
<b>SAMPLE NUMBER</b>	<b>DATE</b>	<b>STATION LOCATION</b>						
795-1	3/13/01	Kitchen (Door Jam left)					281675	
795-2	"	Bathroom 1 / Wall-A					676	
795-3	"	Room 1 / Door front side					677	
795-4	"	Bathroom 3 / Wall-A					678	
795-5	"	Room #4 / Wall-D / <sup>Window</sup> / <sub>left casing</sub>					679	
795-6	"	Bathroom #4 / Ceiling					680	
795-7	"	Bathroom #5 / Wall-B					681	
795-8	"	Hall #2 / Ceiling					682	
<b>Relinquished by: (Signature)</b> [Signature]		<b>Date / Time</b> 3/20/01	<b>Received by: (Signature)</b>		<b>Relinquished by: (Signature)</b>		<b>Date / Time</b>	<b>Received by: (Signature)</b>
<b>(Printed)</b>			<b>(Printed)</b>		<b>(Printed)</b>			<b>(Printed)</b>
<b>Relinquished by: (Signature)</b>		<b>Date / Time</b>	<b>Received for Laboratory by: (Signature)</b> Jason Holliday		<b>Date / Time</b> 3/20/01	<b>Remarks</b>		
<b>(Printed)</b>			<b>(Printed)</b> Jason Holliday					



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**  
568 14th Street  
Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Complex - 1285 Ave G Qtr**  
Project ID: 1834  
Received: 3/20/01

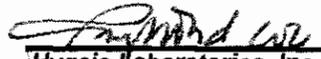
Lab Project No. 38404 Report Date: 3/23/01

## CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
Hygeia Laboratories, Inc.

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>MATRIX*</u>	<u>COLLECTED</u>
281686	1285-1	CHIPS	3/13/01
281687	1285-2	CHIPS	3/13/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. **38404**

Report Date: 3/23/01

## Total Lead

Units: **Percent (%)**  
**By Weight**

Method: **EPA 7420**

Matrix: Paint Chips

Analysis Date: 3/22/01

Prep. Date: 3/21/01

Analyst: GEK

Lab ID Client ID

Result

Report Limit

281686 1285-1

**0.30**

0.03

281687 1285-2

**0.06**

0.03

## NOTES:

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
- RL = "Reporting Limit"
- Dates are presented in the format "month/day/year"

### Certifications

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
 Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
 North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

### Accreditations

American Association for Laboratory Accreditation (A2LA) - No. 0330-01; American Industrial Hygiene Association (AIHA) - Lab ID 100649

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# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**

568 14th Street  
Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Complex - 1288 Ave H Qtr.**

Project ID: 1834

Received: 3/20/01

Lab Project No. 38405

Report Date: 3/23/01

### CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
Hygeia Laboratories, Inc.

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>MATRIX*</u>	<u>COLLECTED</u>
281688	1288-1	CHIPS	3/14/01
281689	1288-2	CHIPS	3/14/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. **38405**

Report Date: 3/23/01

## Total Lead

Units: **Percent (%)**  
**By Weight**

Method: **EPA 7420**

Matrix: Paint Chips

Analysis Date: 3/22/01

Prep. Date: 3/21/01

Analyst: GEK

<u>Lab ID</u>	<u>Client ID</u>	<u>Result</u>	<u>Report Limit</u>
281688	1288-1	BRL	0.03
281689	1288-2	0.07	0.03

### NOTES:

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
- RL = "Reporting Limit"
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#### Certifications

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

#### Accreditations

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**PRECISION ENVIRONMENTAL  
MANAGEMENT, INC.**

**CHAIN OF CUSTODY RECORD**

<b>PROJECT NO.</b> 1834	<b>PROJECT NAME</b> Charleston Naval Complex 1288 AVE. H Gate.		<b>NO. OF CONTAINERS</b>		<b>INDUSTRIAL HYGIENE SAMPLE</b>	<b>Y N</b>
<b>SAMPLERS:</b> (Signature) <i>[Signature]</i>		(Printed) <i>William Clancy</i>		<b>PARAMETERS</b>		
<b>SAMPLE NUMBER</b>	<b>DATE</b>	<b>STATION LOCATION</b>				
1288-1	3/14/01	Rm # 3 - 2 <sup>nd</sup> Floor (Baseboard)				281688
1288-2	3/14/01	2 <sup>nd</sup> Floor Bathrm #3 (Door Jam)				689 -6703
<b>Relinquished by:</b> (Signature) <i>[Signature]</i>	<b>Date / Time</b> 3/14/01	<b>Received by:</b> (Signature) <i>[Signature]</i>	<b>Relinquished by:</b> (Signature)	<b>Date / Time</b>	<b>Received by:</b> (Signature)	
(Printed)		(Printed)	(Printed)		(Printed)	
<b>Relinquished by:</b> (Signature)	<b>Date / Time</b>	<b>Received for Laboratory by:</b> (Signature) <i>Jason Holliday</i>	<b>Date / Time</b> 3/20/01	<b>Remarks</b>		
(Printed)		(Printed) <i>Jason Holliday</i>				



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**  
568 14th Street  
Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Complex - 1294 Ave H**

Project ID: 1834

Received: 03/20/01

Lab Project No. 38396

Report Date: 03/23/01

## CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
Hygeia Laboratories, Inc.

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>MATRIX*</u>	<u>COLLECTED</u>
281658	1294-1	CHIPS	3/9/01
281659	1294-2	CHIPS	3/9/01
281660	1294	CHIPS	3/9/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. 38396

Report Date: 3/23/01

## Total Lead

Units: **Percent (%)** Method: **EPA 7420**

### By Weight

Matrix: Paint Chips

Analysis Date: 3/22/01

Prep. Date: 3/21/01

Analyst: GEK

<u>Lab ID</u>	<u>Client ID</u>	<u>Result</u>	<u>Report Limit</u>
281658	1294-1	0.05	0.05
281659	1294-2	0.08	0.08
281660	1294	BRL	0.03

## NOTES:

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
- RL = "Reporting Limit"
- Dates are presented in the format "month/day/year"

### Certifications

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
 Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
 North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

### Accreditations

American Association for Laboratory Accreditation (A2LA) - No. 0330-01; American Industrial Hygiene Association (AIHA) - Lab ID 100649

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# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**  
 568 14th Street  
 Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Complex - 1304 Ave H Qtr**  
 Project ID: 1834  
 Received: 3/20/01

Lab Project No. 38401 Report Date: 3/23/01

## CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
 Hygeia Laboratories, Inc.

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>MATRIX*</u>	<u>COLLECTED</u>
281672	1304-1	CHIPS	3/14/01
281673	1304-2	CHIPS	3/14/01
281674	1304-3	CHIPS	3/14/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. 38401

Report Date: 3/23/01

## Total Lead

Units: **Percent (%)** Method: **EPA 7420**

### By Weight

Matrix: Paint Chips

Analysis Date: 3/22/01

Prep. Date: 3/21/01

Analyst: GEK

<u>Lab ID</u>	<u>Client ID</u>	<u>Result</u>	<u>Report Limit</u>
281672	1304-1	1.1	0.1
281673	1304-2	0.11	0.03
281674	1304-3	0.08	0.03

## NOTES:

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
- RL = "Reporting Limit"
- Dates are presented in the format "month/day/year"

### Certifications

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
 Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
 North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

### Accreditations

American Association for Laboratory Accreditation (A2LA) - No. 0330-01; American Industrial Hygiene Association (AIHA) - Lab ID 100649

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**PRECISION ENVIRONMENTAL  
MANAGEMENT, INC.**

**CHAIN OF CUSTODY RECORD**

<b>PROJECT NO.</b> 1834		<b>PROJECT NAME</b> 1304 AVE #1 5th Fl		<b>NO. OF CONTAINERS</b>	<b>INDUSTRIAL HYGIENE SAMPLE</b>		<b>Y</b>	
							<b>N</b>	
<b>SAMPLERS: (Signature)</b> Wayne Gladney			<b>(Printed)</b> Wayne Gladney		<b>PARAMETERS</b>			
<b>SAMPLE NUMBER</b>	<b>DATE</b>	<b>STATION LOCATION</b>						
1304-1	3/20/01	EAST ROOM WINDOWN CASE NO.					281672	
1304-2	3/20/01	HALLWAY FROM FLOOR OVER					673	
1304B	3/20/01	SECUR FLOOR Rm 1 OVER					574	
<b>Relinquished by: (Signature)</b> [Signature]		<b>Date / Time</b> 3/20/01	<b>Received by: (Signature)</b>		<b>Relinquished by: (Signature)</b>		<b>Date / Time</b>	<b>Received by: (Signature)</b>
<b>(Printed)</b>			<b>(Printed)</b>		<b>(Printed)</b>			<b>(Printed)</b>
<b>Relinquished by: (Signature)</b>		<b>Date / Time</b>	<b>Received for Laboratory by: (Signature)</b> Jason Holliday		<b>Date / Time</b> 3/20/01	<b>Remarks</b>		
<b>(Printed)</b>			<b>(Printed)</b> Jason Holliday					



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**

568 14th Street  
Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Complex - 1305 Ave G**

Project ID: 1834

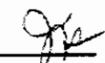
Received: 3/20/01

Lab Project No. 38395

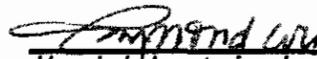
Report Date: 3/23/01

## CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
Hygeia Laboratories, Inc.

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>MATRIX*</u>	<u>COLLECTED</u>
281655	1305-1	CHIPS	3/9/01
281656	1305-2	CHIPS	3/9/01
281657	1305-3	CHIPS	3/9/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. 38395

Report Date: 3/23/01

## Total Lead

Units: **Percent (%)**  
**By Weight**

Method: **EPA 7420**

Matrix: Paint Chips

Analysis Date: 3/22/01

Prep. Date: 3/21/01

Analyst: GEK

<u>Lab ID</u>	<u>Client ID</u>	<u>Result</u>	<u>Report Limit</u>
281655	1305-1	<b>0.03</b>	0.03
281656	1305-2	BRL	0.03
281657	1305-3	BRL	0.03

### NOTES:

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
- RL = "Reporting Limit"
- Dates are presented in the format "month/day/year"

#### Certifications

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
 Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
 North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

#### Accreditations

American Association for Laboratory Accreditation (A2LA) - No. 0330-01; American Industrial Hygiene Association (AIHA) - Lab ID 100649

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# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**  
568 14th Street  
Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Complex - 1310 Ave H**

Project ID: 1834

Received: 3/20/01

Lab Project No. 38397

Report Date: 3/23/01

## CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
Hygeia Laboratories, Inc.

LAB ID  
281661

CLIENT ID  
1310-1

MATRIX\*  
CHIPS

COLLECTED  
3/14/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. 38397

Report Date: 3/23/01

**Total Lead**

Units: **Percent (%)**

Method: **EPA 7420**

**By Weight**

Matrix: Paint Chips

Analysis Date: 3/22/01

Prep. Date: 3/21/01

Analyst: GEK

Lab ID Client ID

281661 1310-1

Result

**0.54**

Report Limit

0.05

**NOTES:**

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
- RL = "Reporting Limit"
- Dates are presented in the format "month/day/year"

**Certifications**

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
 Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
 North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

**Accreditations**

American Association for Laboratory Accreditation (A2LA) - No. 0330-01; American Industrial Hygiene Association (AIHA) - Lab ID 100649

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# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**  
568 14th Street  
Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Complex - 1311 Ave G**

Project ID: 1834

Received: 3/20/01

Lab Project No. 38403

Report Date: 3/23/01

---

## CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
Hygeia Laboratories, Inc.

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>MATRIX*</u>	<u>COLLECTED</u>
281683	1311-1	CHIPS	3/9/01
281684	1311-2	CHIPS	3/9/01
281685	1311-3	CHIPS	3/9/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. **38403**

Report Date: 3/23/01

## Total Lead

Units: **Percent (%)** Method: **EPA 7420**  
**By Weight**

Matrix: Paint Chips

Analysis Date: 3/22/01

Prep. Date: 3/21/01

Analyst: GEK

<u>Lab ID</u>	<u>Client ID</u>	<u>Result</u>	<u>Report Limit</u>
281683	1311-1	BRL	0.03
281684	1311-2	<b>0.53</b>	0.03
281685	1311-3	<b>0.26</b>	0.03

## NOTES:

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
- RL = "Reporting Limit"
- Dates are presented in the format "month/day/year"

### Certifications

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
 Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
 North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

### Accreditations

American Association for Laboratory Accreditation (A2LA) - No. 0330-01; American Industrial Hygiene Association (AIHA) - Lab ID 100649

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# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**  
568 14th Street  
Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Complex - 1350 Ave H**

Project ID: 1834

Received: 3/20/01

Lab Project No. 38399

Report Date: 3/23/01

## CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
\_\_\_\_\_  
Hygeia Laboratories, Inc.

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>MATRIX*</u>	<u>COLLECTED</u>
281665	1350-1	CHIPS	3/8/01
281666	1350-2	CHIPS	3/8/01
281667	1350-3	CHIPS	3/8/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. 38399

Report Date: 3/23/01

## Total Lead

Units: **Percent (%)**      Method: **EPA 7420**  
**By Weight**

Matrix: Paint Chips      Analysis Date: 3/22/01      Prep. Date: 3/21/01      Analyst: GEK

<u>Lab ID</u>	<u>Client ID</u>	<u>Result</u>	<u>Report Limit</u>
281665	1350-1	BRL	0.03
281666	1350-2	<b>0.61</b>	0.05
281667	1350-3	<b>0.47</b>	0.03

### NOTES:

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
- RL = "Reporting Limit"
- Dates are presented in the format "month/day/year"

#### Certifications

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
 Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
 North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

#### Accreditations

American Association for Laboratory Accreditation (A2LA) - No. 0330-01; American Industrial Hygiene Association (AIHA) - Lab ID 100649

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# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

## ANALYTICAL REPORT

Client: **Precision Environmental Management**  
568 14th Street  
Atlanta, GA 30318

Attention: **Eric Hodges**

Project Name: **Charleston Naval Q & R - 1356 Ave H**

Project ID: 1834

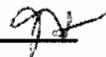
Received: 3/20/01

Lab Project No. 38398

Report Date: 3/23/01

## CASE NARRATIVE

- 1 The holding time for all samples were met.
- 2 Where applicable, results & reporting limits are based on wet weight; dry weight calculations available.
- 3 The temperature of the sample cooler was received by the laboratory at room temperature.
- 4 \*CHIPS = Paint Chips

Reviewed by: JH 

Respectfully Submitted,

  
Hygeia Laboratories, Inc.

<u>LAB ID</u>	<u>CLIENT ID</u>	<u>MATRIX*</u>	<u>COLLECTED</u>
281662	1356-1	CHIPS	3/8/01
281663	1356-2	CHIPS	3/8/01
281664	1356-3	CHIPS	3/8/01



# HYGEIA LABORATORIES, INC.

1300 Williams Drive, Suite A - Marietta, Georgia 30066-6299 - (770) 514-6933, FAX (770) 514-6966

Lab Project No. **38398**

Report Date: 3/23/01

## Total Lead

Units: **Percent (%)** Method: **EPA 7420**  
**By Weight**

Matrix: Paint Chips Analysis Date: 3/22/01 Prep. Date: 3/21/01 Analyst: GEK

<u>Lab ID</u>	<u>Client ID</u>	<u>Result</u>	<u>Report Limit</u>
281662	1356-1	<b>0.33</b>	0.03
281663	1356-2	<b>0.16</b>	0.03
281664	1356-3	<b>0.13</b>	0.03

### NOTES:

- Results relate only to the samples tested as received (see chain-of-custody).
- BRL = "Below Reporting Limit"
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- Dates are presented in the format "month/day/year"

#### Certifications

Alabama - Lab ID 40970; Arkansas; Connecticut - No. PH 0208; Delaware; Florida - E87257, FL CompQAP No. 970048;  
 Georgia - No. 804; Indiana - Lab ID C-GA-01; Kentucky - Lab ID 90053; Louisiana; Maryland - No. 293; Massachusetts No. M - GA040;  
 North Carolina - No. 409; South Carolina - No. 98012001; Tennessee - Lab ID 02827 (DW), UST Program; Virginia - Lab ID 00024

#### Accreditations

American Association for Laboratory Accreditation (A2LA) - No. 0330-01; American Industrial Hygiene Association (AIHA) - Lab ID 100649

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**PRECISION ENVIRONMENTAL  
MANAGEMENT, INC.**

**CHAIN OF CUSTODY RECORD**

PROJECT NO.		PROJECT NAME		NO. OF CONTAINERS	INDUSTRIAL HYGIENE SAMPLE		
1834		1356 AVE 11			Y	N	
SAMPLERS: (Signature)			(Printed)		PARAMETERS		
<i>[Signature]</i>			<i>[Signature]</i>				
SAMPLE NUMBER	DATE	STATION LOCATION					
1356-1	3/2/01	Living Room - wall-D				281662	
1356-2	3/2/01	Bedroom 1 wall-D <sup>2nd</sup>				663	
1356-3	3/2/01	Bedroom 2 wall-B <sup>2nd</sup>				664	
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Relinquished by: (Signature)	Date / Time	Received by: (Signature)
<i>[Signature]</i>		3/2/01	<i>[Signature]</i>				
(Printed)			(Printed)		(Printed)		(Printed)
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature)		Date / Time	Remarks	
<i>[Signature]</i>			<i>[Signature]</i>		3/2/01		
(Printed)			(Printed)				
			<i>[Signature]</i>				

**APPENDIX B**  
**PEM'S FIELD PERSONNEL'S CERTIFICATIONS**

# Lead Abatement Consulting & Training Systems

35048.6217CENT/

900 N.W. 5TH Avenue, Fort Lauderdale, Florida 33311 (954) 524-7208

**This is to Certify that**

**Processed By:**

**Leon Lobban**

**Seagull**

*Since 1971*



1 3 3 - 3 4 - 0 4 9 6

131 Ponce de Leon , Atlanta,GA

**has successfully completed an English**  
**40 Hr. Lead Abatement Supervisor Course**

6-Dec-99

TO

10-Dec-99

OHIO LEAD TRAINING PROVIDER NO. 0203 / VA APPROVED

**Complies With All EPA, OSHA & HUD Guidelines**

Trainer(s): De Starnes

TEST SCORE: 80 %

Training Address: 2759 Chamblee-Tucker Road, Atlanta, Ga

Student had passed the course test & hands-on assessment

**This Certificate Expires**

**9-Dec-00**



1 2 / 9 / 0 0



UNDER FEDERAL CRIMINAL PENALTY OF LAW FOR MAKING OR  
REPRODUCING A FALSE OR MISLEADING STATEMENT, OR  
FOR PROVIDING FALSE INFORMATION TO THE U.S. (18 U.S.C. 2615), I  
HEREBY CERTIFY THAT THIS TRAINING COURSE FULLY COMPLIES  
WITH ALL REQUIREMENTS OF TITLE IV OF THE FEDERAL TRAINING  
ACT (40 CFR PART 745 OR ANY OTHER FEDERAL, STATE, OR LOCAL  
REGULATIONS THAT MAY APPLY TO THIS COURSE AND RECOMMENDED.

De Starnes, Course Sponsor  
Certificate Number..... 9 8 0 2 4

Course Number AT9949

THE PAGE OF THIS DOCUMENT HAS BEEN RECORDED BY ASI

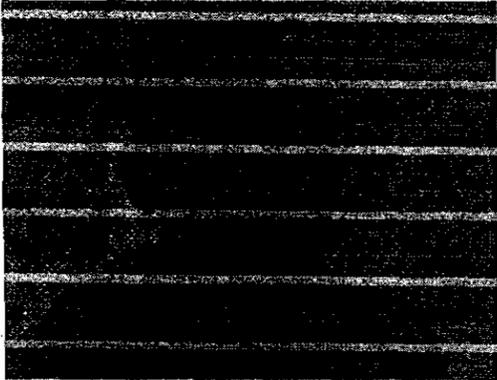
National Lead Assessment and Abatement Council

1121

LEON A. LOBBAN  
66 HAMMOCK PL  
ATLANTA, GA 30312

SSN: 133-34-0496  
BDATE: 11/23/44  
ASI ID: 33-US-33000776

EXAMINATION: **Lead Supervisor**  
EXAM DATE: 01/10/00



EXAMINATION RESULT: **PASS**

Congratulations! ASI is pleased to inform you that you have PASSED the National Lead Assessment and Abatement Council (NLAAC) Lead Supervisor examination.

If you have any questions regarding your permit/license, please contact the appropriate regulatory agency in your state.

# Lead Abatement Consulting & Training Systems

34975.372ACERT

900 N.W. 5TH Avenue, Fort Lauderdale, Florida 33311 (954) 524-7208

**This is to Certify that**

**Eric Hodge**



2 5 2 - 8 7 - 3 2 0 7

568 14th Street, NW, Atlanta, GA

**Processed By:**

**Seagull**

*Since 1971*

**has successfully completed an English**

**16 Hr. Lead Risk Assessor Course**

30-Sep-99

TO

1-Oct-99

OHIO LEAD TRAINING PROVIDER NO. 0203 / VA APPROVED

**Complies with EPA, OSHA & HUD Guidelines**

Trainer(s): De Starnes

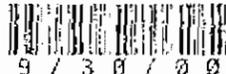
TEST SCORE: 81%

Training Address: 2759 Chamblee-Fucker Road, Atlanta, Ga

Student has passed the course test & hands-on assessment

**This Certificate Expires**

30-Sep-00



9 / 3 0 / 0 0

*James F. Stum*  
James F. Stum, Course Sponsor

Certificate Number.....



9 7 4 3 2

Course Number

A79939

84  
P. 1  
FAX NO.  
MAR 03 01 CAT 05:44 PM



# Lead Abatement Consulting & Training Systems

345 75-369 (CERT)

900 N.W. 5TH Avenue, Fort Lauderdale, Florida 33311 (954) 524-7208

**This is to Certify that**

**Eric Hodge**



2 5 2 - 8 1 - 3 2 0 7

568 14th Street, NW, Atlanta, GA

**has successfully completed an English  
24 Hr. Lead Paint Inspector Course**

**27-Sep-99 TO 29-Sep-99**

OHIO LEAD TRAINING PROVIDER NO. 0203 / VA APPROVED

**Complies with EPA, OSHA & HUD Guidelines**

Trainer(s) De Sarnes

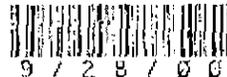
Training Address: 2759 Charablee-Fucker Road, Atlanta, Ga

TEST SCORE 81%

Student has passed the course test & hands-on assessment

**This Certificate Expires**

**28-Sep-00**



9 7 2 8 7 0 0

Processed By:

**Seagull**

*Since 1971*



AND CEMENT... INFORMATION OR  
OF FALS... STATEMENT OR  
ATIONS THE... PLUS... 1  
THIS TRANS... PUBLIC... APPLICAB...  
BY TITLE...  
PART MS OR... APPROV...  
STATE, OR LO... CURR... S... VOED.

James F. Stump, Course Sponsor

Certificate Number.....



9 7 4 3 1

Course Number

AT9939

P. 00

PAY NO. 100

MAR 01 01 SAT 05 10 PM '99



National Lead Assessment and Abatement Council

1121

WAYNE GLADNEY  
1321 HIDDEN HILLS PKWY  
STONE MOUNTAIN, GA 30088

SSN: 116-56-0813  
BDATE: 01/23/64  
ASI ID: 33-US-33001211

EXAMINATION: Lead Risk Assessor  
EXAM DATE: 09/09/00

EXAMINATION RESULT: PASS

Congratulations! ASI is pleased to inform you that you have PASSED the National Lead Assessment and Abatement Council (NLAAC) Lead Risk Assessor examination.

If you have any questions regarding your permit/license, please contact the appropriate regulatory agency in your state.

National Lead Assessment and Abatement Council

112

WAYNE Y. GLADNEY  
1321 HIDDEN HILLS PKWY  
STONE MOUNTAIN, GA 30088

SSN: 116-56-0813  
BDATE: 01/23/64  
ASI ID: 33-US-33001211

EXAMINATION: Lead Inspector  
EXAM DATE: 09/01/00

EXAMINATION RESULT: PASS

Congratulations! ASI is pleased to inform you that you have PASSED the National Lead Assessment and Abatement Council (NLAAC) Lead Inspector examination.

If you have any questions regarding your permit/license, please contact the appropriate regulatory agency in your state.

**APPENDIX C**  
**LABORATORY CERTIFICATIONS**

# The American Industrial Hygiene Association

*is proud to acknowledge that*

**Hygeia Laboratories, Inc.**  
Marietta, GA  
Laboratory ID# 9972

*has fulfilled the requirements for Environmental Lead  
Laboratory Accreditation Program and has earned  
distinguished recognition as an*

## **AIHA Accredited Laboratory**

*Current certificate effective October 1, 1997 to October 1, 2000, subject to continued  
compliance with AIHA accreditation criteria.*

The above named laboratory participates in the following:  
**ELLAP - ELPAT matrices: Paint, Soil, Dust**

*The ELLAP program is recognized by the EPA as meeting the requirements of the National Lead Laboratory  
Accreditation Program established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of  
1992 and includes paint, soil and dust wipe analysis. Air analysis is not included as part of the ELLAP.*

*James C. Rock*

James C. Rock, Ph.D., PE, CIH  
President, American Industrial Hygiene Association

*Mark A. Puskar*

Mark A. Puskar, Ph.D.  
Chair, Analytical Accreditation Board

583  
Certificate Number



**APPENDIX D**  
**FIELD SAMPLING FORMS**

Name of risk assessor Wayne Gladney

Name of property owner Charleston Naval Complex

715 <sup>AVE F</sup> Property address Ave F Apt. no. 795

Dwelling selection protocol  All dwellings  Targeted  Worst case  Random

Target dwelling criteria (check all that apply)

- Code violations
- Judged to be in poor condition
- Presence of two or more children between ages of 6 months and 6 years
- Serves as day-care facility
- Recently prepared for reoccupancy
- Random sampling

Sample number	Room	Building component	Lead (mg/cm <sup>2</sup> or µg/g)
795-1	Kitchen	Door <del>#1</del> <sup>joins</sup> LEFT	
795-2	Bathroom 1	Wall - <del>B</del> A	
795-3	Room 1	Door front side	
795-4	Bathroom #3	<del>Wall - A</del> - Wall - A	
795-5	Room #4	Wall - D - window - <del>Left casing</del>	
795-6	Bathroom #4	Ceiling	
795-7	Bathroom #5	<del>Wall - B</del> - wall - B -	
795-8	Hall #2	Ceiling	
HUD interim standard			5,000 µg/g or 1 mg/cm <sup>2</sup>

Sample all layers of paint, not just deteriorated paint layers.

Total number of samples on this page 8

Page 1 of 2

Date of sample collection 3/13/01 Date shipped to lab 1/1

Shipped by \_\_\_\_\_ Received by \_\_\_\_\_  
(signature) (signature)

Date results reported 1/1 Analyzed by \_\_\_\_\_

Approved by \_\_\_\_\_





Field Sampling Form for Deteriorated Paint  
(One form for each housing unit, common area, or exterior)

Name of risk assessor Wynne Gladney  
 Name of property owner Charleston Naval Complex (1293 AVE G)  
 Property address Ave G Apt. no. 1293

Dwelling selection protocol  All dwellings  Targeted  Worst case  Random

Target dwelling criteria (check all that apply)

- Code violations
- Judged to be in poor condition
- Presence of two or more children between ages of 6 months and 6 years
- Serves as day-care facility
- Recently prepared for reoccupancy
- Random sampling

Sample number	Room	Building component	Lead (mg/cm <sup>2</sup> or µg/g)
1293-1	HALLWAY 3'door	Door <del>case</del> Jamb	
1293-2	Room # 1	Door FRONT	
1293-3	Stair case leading to second floor	left side	
1293-4	Porch #1	left door <del>case</del>	cas.ing

HUD interim standard 5,000 µg/g or 1 mg/cm<sup>2</sup>

Sample all layers of paint, not just deteriorated paint layers.

Total number of samples on this page 4

Page 1 of 2

Date of sample collection 3/12/01 Date shipped to lab    /   /   

Shipped by \_\_\_\_\_ Received by \_\_\_\_\_  
 (signature) (signature)

Date results reported    /   /    Analyzed by \_\_\_\_\_

Approved by \_\_\_\_\_



**Form 5.3**  
**Field Sampling Form for Deteriorated Paint**  
 (One form for each housing unit, common area, or exterior)

Name of risk assessor \_\_\_\_\_

Name of property owner Charleston Naval Center

Property address Ave 4 Apt. no. 1304

Dwelling selection protocol  All dwellings  Targeted  Worst case  Random

Target dwelling criteria (check all that apply)

- Code violations
- Judged to be in poor condition
- Presence of two or more children between ages of 6 months and 6 years
- Serves as day-care facility
- Recently prepared for reoccupancy
- Random sampling

Sample number	Room	Building component	Lead (mg/cm <sup>2</sup> or µg/g)
1304-1	Bedroom #1	Window casing	
1304-2	Hallway from Pot	Ch#2 - Door Interior	
1304-3	Second Floor Rm #1	Closest Door	
HUD interim standard			5,000 µg/g or 1 mg/cm <sup>2</sup>

Sample *all* layers of paint, not just deteriorated paint layers.

Total number of samples on this page 3

Page 1 of 2

Date of sample collection 3/14/01 Date shipped to lab 1/1

Shipped by \_\_\_\_\_ Received by \_\_\_\_\_  
 (signature) (signature)

Date results reported 1/1 Analyzed by \_\_\_\_\_

Approved by \_\_\_\_\_

**Form 5.3**  
**Field Sampling Form for Deteriorated Paint**  
 (One form for each housing unit, common area, or exterior)

Name of risk assessor Wayne Gladney  
 Name of property owner Charleston Naval Complex  
 1305 AVE G  
 Property address ~~1305 AVE G~~ Apt. no. ~~1305~~

Dwelling selection protocol  All dwellings  Targeted  Worst case  Random

Target dwelling criteria (check all that apply)

- Code violations
- Judged to be in poor condition
- Presence of two or more children between ages of 6 months and 6 years
- Serves as day-care facility
- Recently prepared for reoccupancy
- Random sampling

Sample number	Room	Building component	Lead (mg/cm <sup>2</sup> or µg/g)
1305-1	Mesh room door	Exterior door	
1305-2	Bathroom #1	Interior door	
1305-3	Kitchen	Ceiling	
HUD interim standard			5,000 µg/g or 1 mg/cm <sup>2</sup>

Sample all layers of paint, not just deteriorated paint layers.

Total number of samples on this page ~~2~~ 3

Page 1 of 2

Date of sample collection 8/9/01 Date shipped to lab     /    /    

Shipped by \_\_\_\_\_ Received by \_\_\_\_\_  
 (signature) (signature)

Date results reported     /    /     Analyzed by \_\_\_\_\_

Approved by \_\_\_\_\_











Name of risk assessor Wayne Gladley

Name of property owner Naval Facilities Engineering Command

Property address 1350 AVE H Apt. no. \_\_\_\_\_

Dwelling selection protocol  All dwellings  Targeted  Worst case  Random

Target dwelling criteria (check all that apply)

- Code violations
- Judged to be in poor condition
- Presence of two or more children between ages of 6 months and 6 years
- Serves as day-care facility
- Recently prepared for reoccupancy
- Random sampling

Sample number	Room	Building component	Lead (mg/cm <sup>2</sup> or µg/g)
1356-1	LIVING ROOM Rm 1	Wall-B (See sketch)	
1356-2	Bedroom 1	Wall-D (-11-)	Second Floor Rm 1 D
1356-3	Bedroom 2	Wall-B (-11-)	-11- Rm 2 B

HUD interim standard 5,000 µg/g or 1 mg/cm<sup>2</sup>

Sample all layers of paint, not just deteriorated paint layers.

Total number of samples on this page 3

Page 1 of 2

Date of sample collection 3/8/01 Date shipped to lab 1/1

Shipped by \_\_\_\_\_ (signature) Received by \_\_\_\_\_ (signature)

Date results reported 1/1 Analyzed by \_\_\_\_\_

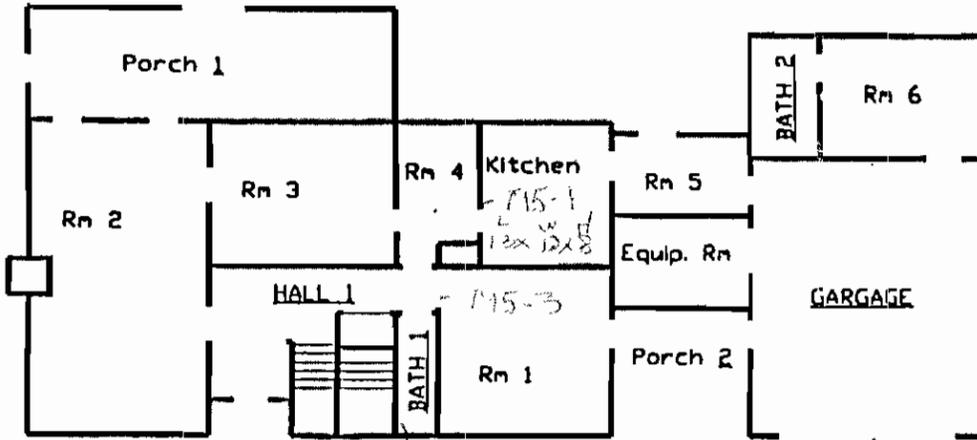
Approved by \_\_\_\_\_

Note: Paint chip samples contain all layers of paint, down to the substrate which is sheetrock.

**APPENDIX E**  
**FLOOR PLANS**

SIDE C

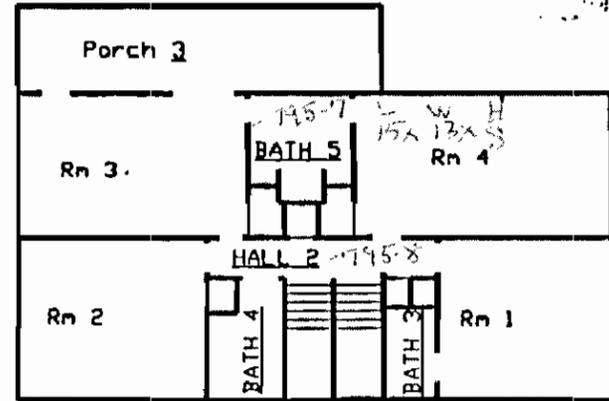
SIDE B



FIRST FLOOR

L W H  
8x4x8

SIDE D



SECOND FLOOR

795-6  
L W H  
8x4x8

795-4  
L W H  
8x4x8

SIDE A

SPORTENVDETHASN  
 1899 North Hobson Ave.  
 North Charleston, SC  
 29405-2108  
 Ph. (803) 743-8777

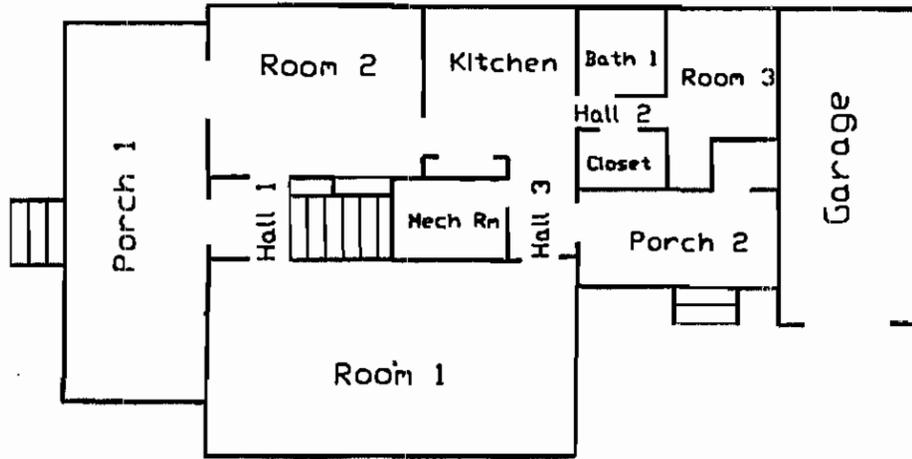
Floor Plan - Type (NH-64)  
 Qtrs 758 - 795 AVENUE "F"  
 Charleston Naval Complex  
 Charleston, SC

DWG DATE: 12 MAR 98

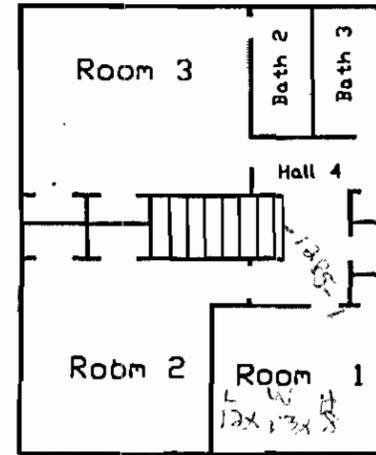
DWG NAME: Qtrs-758

Figure 33-a, Quarters 758, Floorplan  
758

Side C



FIRST FLOOR



SECOND FLOOR

Side A

~~Residence living here~~

1285-1 Substate-Wood

1285-2 -11- Plaster

SPORTENVDETHASN  
 1899 North Hobson Ave.  
 North Charleston, SC  
 29405-2108  
 Ph. (803) 743-8777

Floor Plan (Type HD-23)  
 1285 AVE. "G" QUARTERS (EE)  
 Charleston Naval Complex  
 Charleston, SC

DWG DATE: 13 April 98

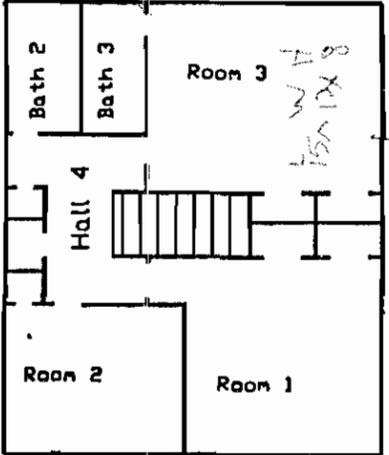
DWG NAME: Qtrs-EE

Figure 25-a, Quarters EE, Floorplan

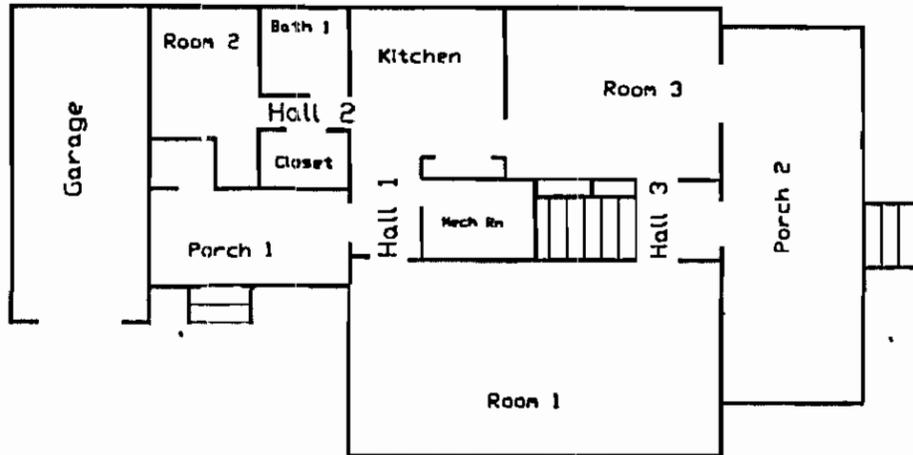
Side C

Side B

Side D



SECOND FLOOR



FIRST FLOOR

Side A

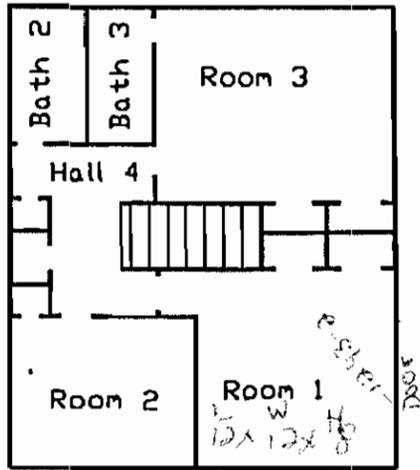
Kitchens wallpaper except doors and ceilings  
 Halls - white paint throughout the house  
 Bathrooms wallpaper except ceiling and doors  
 Overall - Very good condition

Figure 26-a, Quarters FF, Floorplan

<b>SPORTENVDETHASN</b> 1899 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-6777	<b>Floor Plan (Type HD-23)</b> 1288 AVE. "H" QUARTERS (FF) Charleston Naval Complex Charleston, SC	
	DWG DATE: 14 Apr 98	DWG NAME: Qtrs-FF

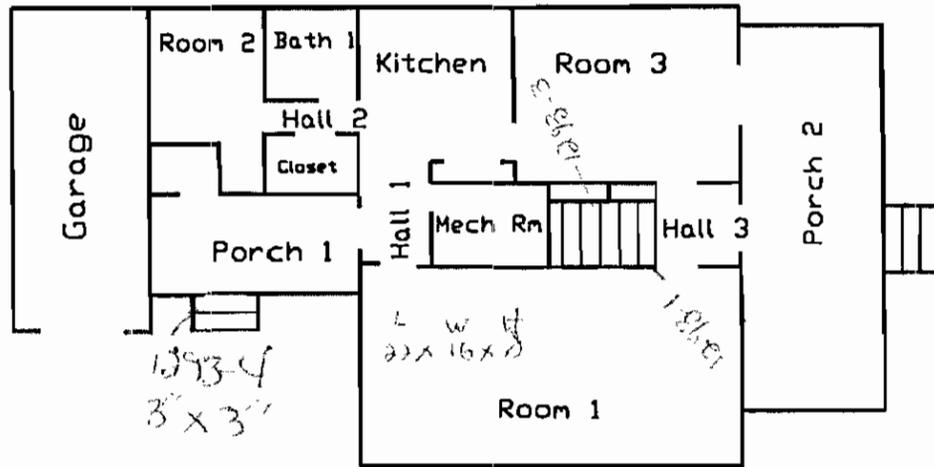
Figure 24-a, Quarters DD, Floorplan  
609

Side B



SECOND FLOOR

Side C



FIRST FLOOR

Side A

Side D

~~Residence living there~~

Site in Good Condition

SPORTENVDETHASN  
1899 North Hobson Ave.  
North Charleston, SC  
29405-2106  
Ph. (803) 743-8777

Floor Plan (Type HD-23)  
1293 AVE. "G" QUARTERS (DD)  
Charleston Naval Complex  
Charleston, SC

DWG DATE: 14 Apr 98

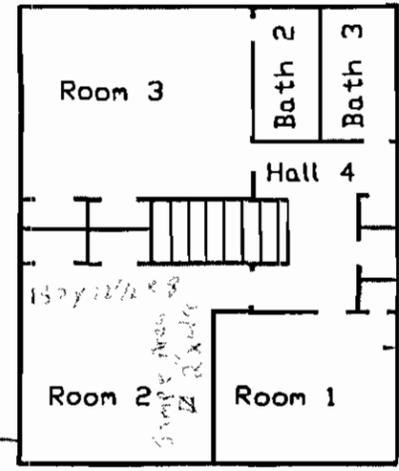
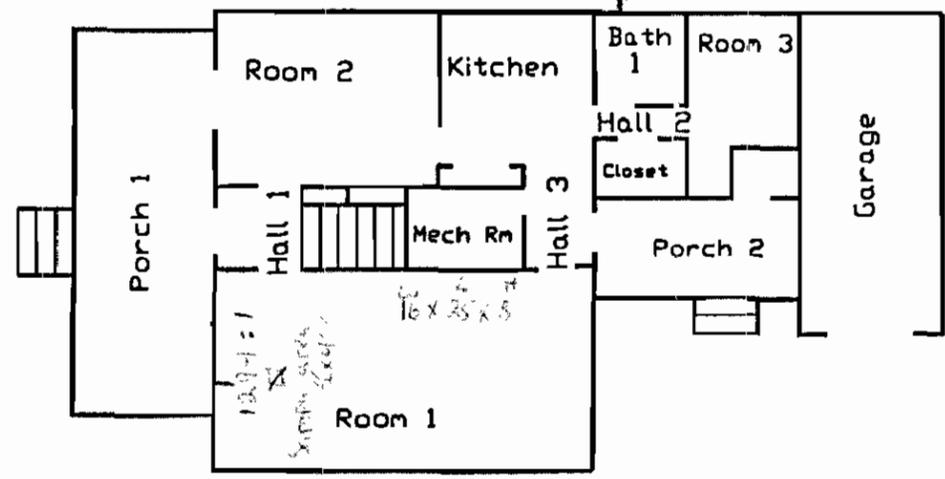
DWG NAME: Qtrs-DD

1244-1 (C wall) Molding on the base (Living Room)  
 1244-2 Bathroom #1 Ceiling  
 1244-3 (B-wall) Room #2

Bath  
 3' x 5' x 8'  
 L W H  
 Side C

Sample area 2' x 4"  
 1244-2 Ceiling

Side B



Side D

Figure 27-a, Quarters GG, Floorplan  
 658

Substrate - wood Living Room  
 Molding - white paint throughout the house  
 Kitchen wallpaper except on ceiling and doors  
 Bathroom wallpaper except ceiling through out the walls  
 Substrate - Sweetrack Bathroom  
 Substrate - ~~wood~~ Sheetrock Room #2  
 Overall - New Paint Job / Very Good Condition

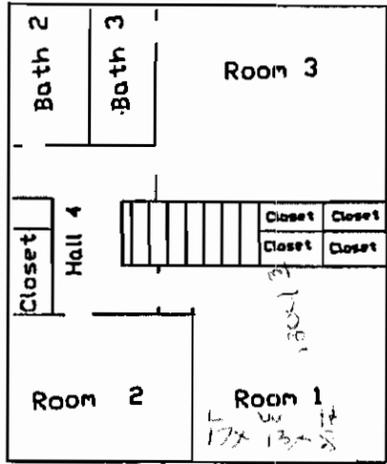
Side A

<b>SPORTENVDETHASN</b> 1890 North Hobson Ave. North Charleston, SC 29405-2106 Ph. (803) 743-8777	<b>Floor Plan (Type HD-23)</b> 1294 AVE. "H" QUARTERS (GG) Charleston Naval Complex Charleston, SC	
	DWG DATE: 14 Apr 98	DWG NAME: Qtrs-GG

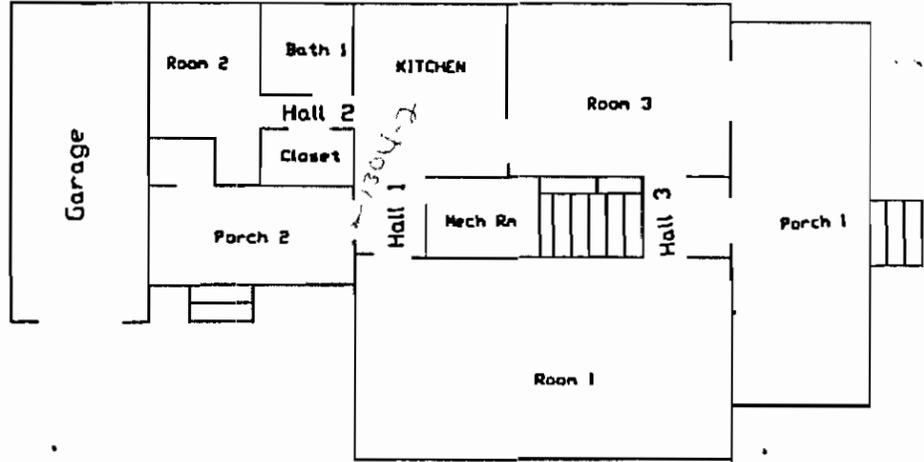
Side C

1304-1  
1304-2

Side B



SECOND FLOOR



FIRST FLOOR

Side D

Side A

SPORTENVDETHASN  
 1899 North Hobson Ave.  
 North Charleston, SC  
 29405-2108  
 Ph. (803) 743-8777

Floor Plan Qtrs HH  
 1304 Avenue H  
 Charleston Naval Complex  
 Charleston, SC

DWG DATE: 3 Mar 98

DWG NAME: Qtrs HH

no key  
 \* white paint throughout house  
 wall paper on walls in kitchen  
 and all bedrooms, not on ceiling

\* Damage area is app 4' x 11' or

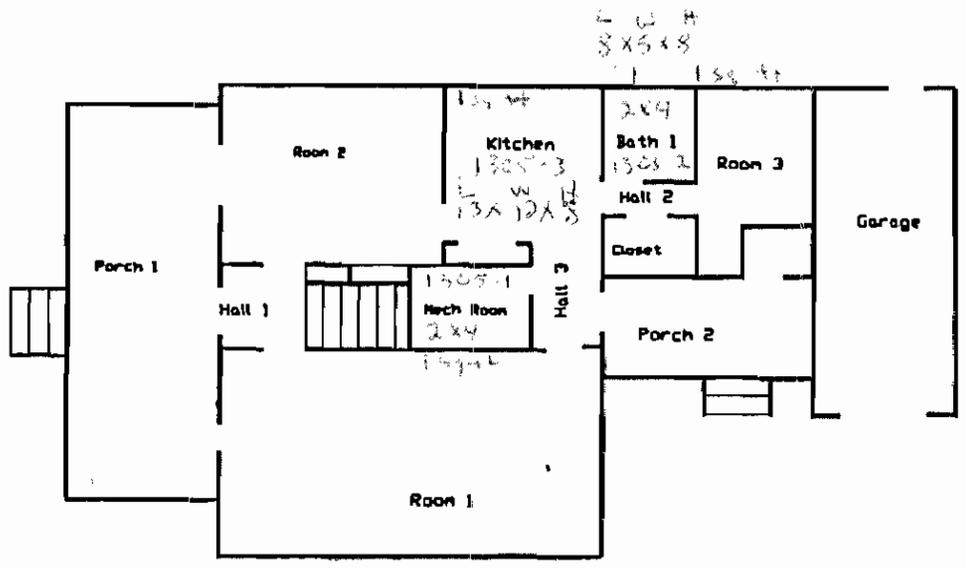
Figure 28-a, Quarters HH, Floorplan 674

- 1305-1 Mech. Room door / substrate - wood 1 sq ft. damage area
- 1305-2 Bathroom #1 door / substrate - wood 1 sq ft. damage area
- 1305-3 Kitchen Ceiling - water damage - / substrate sheet rock 1 sq ft damage

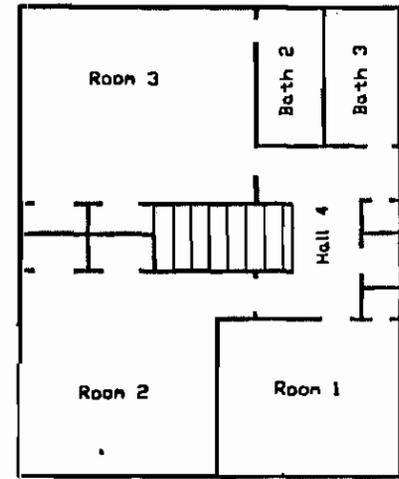
SIDE C

SIDE B

SIDE D



FIRST FLOOR



SECOND FLOOR

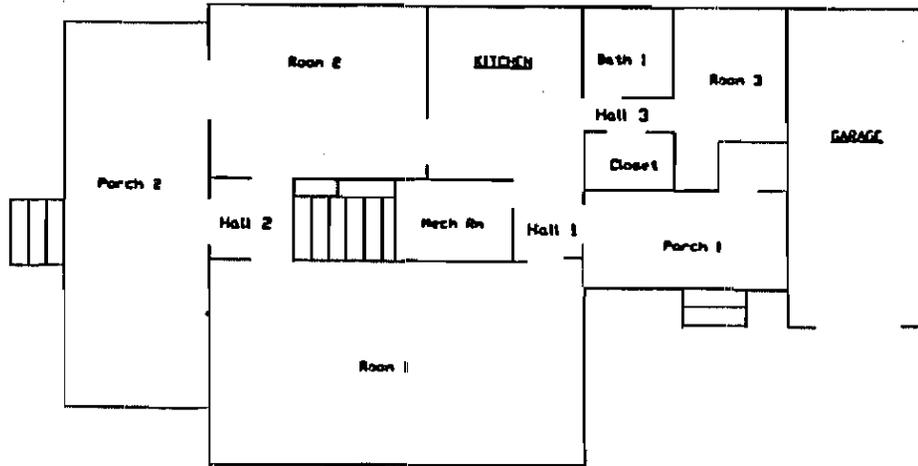
SIDE A

Homogenous white paint throughout house  
 Kit new and Bathroom wallpaper except for ceiling & doors  
 New paint job  
 Overall Good condition

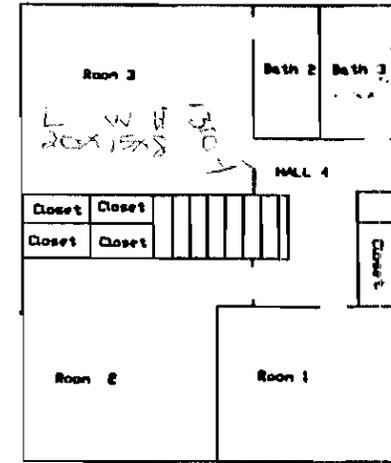
Figure 23-a, Quarters CC, Floorplan 587

SPORTENVDETHASN 1899 North Hobson Ave. North Charleston, SC 29405-2108 Ph. (803) 743-8777	Floor Plan (Type HD-23) 1305 AVE. "G" QUARTERS (CC) Charleston Naval Complex Charleston, SC <hr/> DWG DATE: 12 MAR 98    DWG NAME: Qtrs-CC
-------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------

Side C



FIRST FLOOR



SECOND FLOOR

Side D

Side A

Side B

Figure 29-a, Quarters II, Floorplan

689

*Handwritten signature*

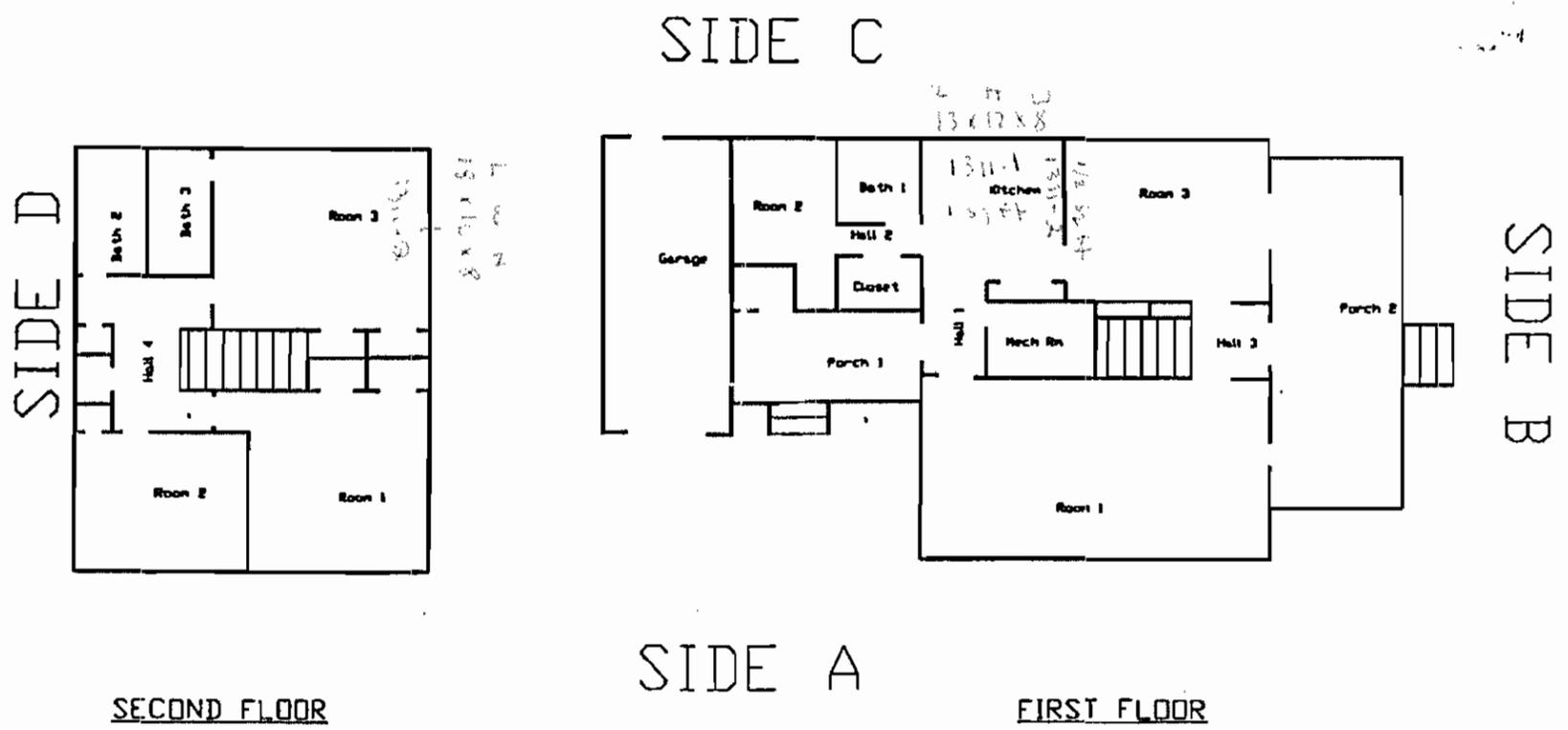
SPORTENVDETHASN  
 1889 North Hobson Ave.  
 North Charleston, SC  
 29405-2108  
 Ph. (803) 743-8777

Floor Plan Qtrs II  
 1310 Avenue H  
 Charleston Naval Complex  
 Charleston, SC

DWG DATE: 3 Mar 98

DWG NAME: Qtrs II

- 1311-1 Kitchen Ceiling - substrate sheetrock - close by water damage 1 sq ft
- 1311-2 Bedroom #3 Baseboard - (B wall) substrate - wood - 1/2 sq ft.
- 1311-3 Kitchen (A wall) Vent substrate - metal - 1/2 sq ft.



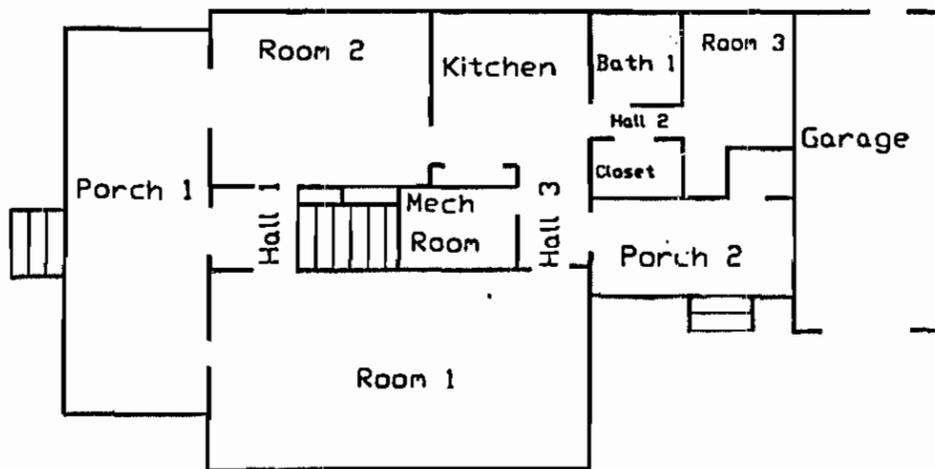
Wallpaper in Bathroom and Kitchen except for ceiling & doors, & molding  
 Hermynis white paint throughout the house  
 Overall New paint job and very good condition

<b>SPORTENVDETHASN</b> 1899 North Hobson Ave. North Charleston, SC 29405-2108 Ph. (803) 743-8777	<b>Floor Plan (Type HD-23)</b> 1311 AVE. "G" QUARTERS (BB) Charleston Naval Complex Charleston, SC	
	DWG DATE: 12 MAR 98	DWG NAME: Qtrs-BB

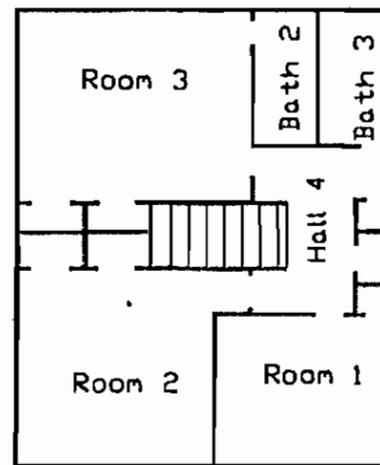
Figure 22-a, Quarters BB, Floorplan  
572

SIDE C

SIDE B



FIRST FLOOR



SECOND FLOOR

SIDE D

SIDE A

Figure 21-a, Quarters AA, Floorplan

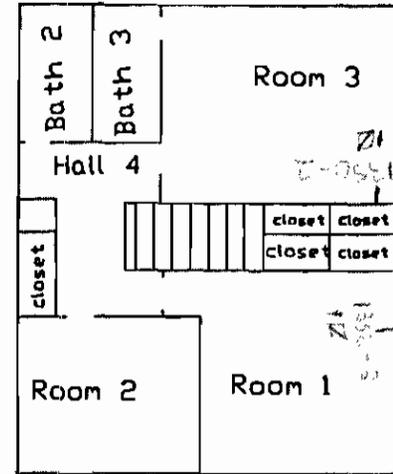
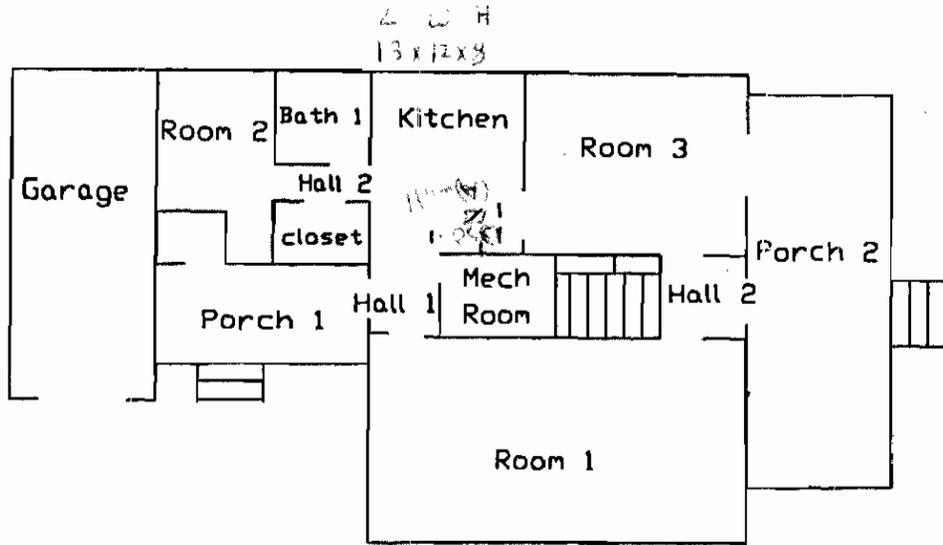
557

Homogenia white paint  
 wallpaper in kitchen + Bathrooms wall's not on ceiling  
 no sign of flaking paint, off time of inspection  
 New paint job

SPORTENVDETHASN 1899 North Hobson Ave. North Charleston, SC 29405-2108 Ph. (803) 743-6777	Floor Plan (Type HD-23) 1345 AVE. "G" QUARTERS (AA) Charleston Naval Complex Charleston, SC	
	DWG DATE: 12 MAR 98	DWG NAME: Qtrs-AA

See note on ~~back~~ front

# Side C



16 x 16 x 8  
12 x 12 x 8

Side D

## FIRST FLOOR

## SECOND FLOOR

Kitchen is cover with wallpaper / new molding and closet door are painted.

Bathroom walls cover with wallpaper (52) + 3

Substrate wood kitchen

Acrylics paint white through out the House

135C-1 (A) Second closet door / 135C-2 (C) First closet door side edge / 135C-3 (D) Baseboard

CAUSE as taking

Overall very good  
new paint job

# Side A

**SPORTENVDETHASN**  
1899 North Hobson Ave.  
North Charleston, SC  
29405-2106  
Ph. (803) 743-8777

Floor Plan Qtrs JJ  
1350 Avenue H  
Charleston Naval Complex  
Charleston, SC

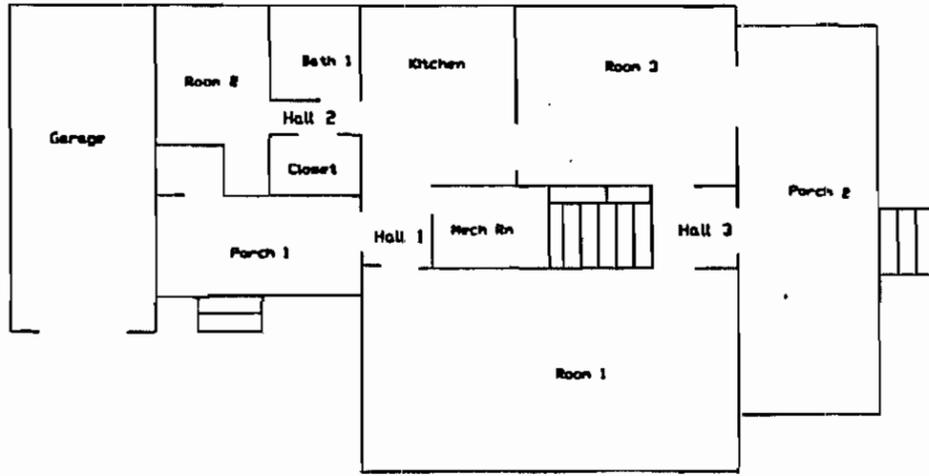
DWG DATE: 3 Mar 98

DWG NAME: Qtrs JJ

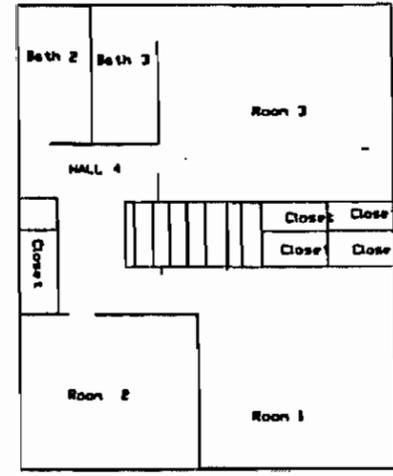
B  
E  
P  
I  
S

Figure 50-a, Quarters JJ, Floor plan

Side C



FIRST FLOOR



SECOND FLOOR

Side D

Side A

Horizontal white paint  
 wallpaper in Bathrooms + Kitchen walls not on ceiling  
 New paint job  
 No sign of staining paint, off time of inspection

BAPIS

Figure 32-a, Quarters LL, Floorplan  
742

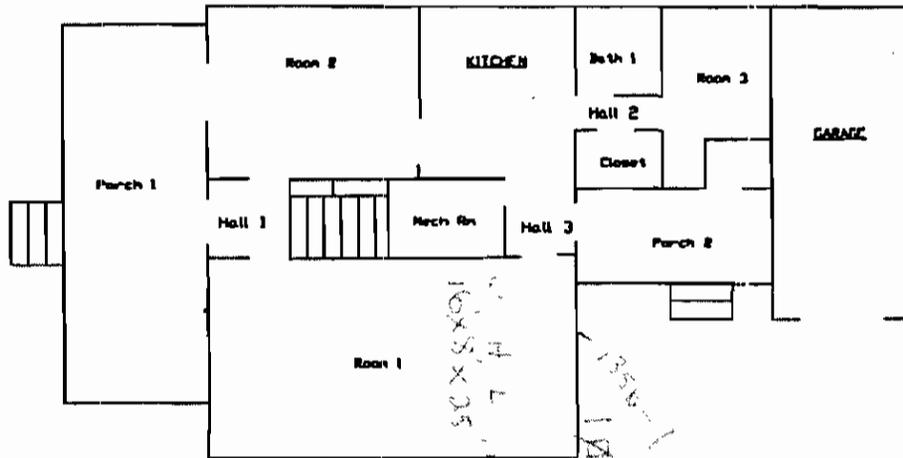
SPORTENVDECHASN  
 1809 North Hobson Ave.  
 North Charleston, SC  
 29405-2108  
 Ph. (803) 743-8777

Floor Plan Qtrs LL  
 1351 Avenue G  
 Charleston Naval Complex  
 Charleston, SC

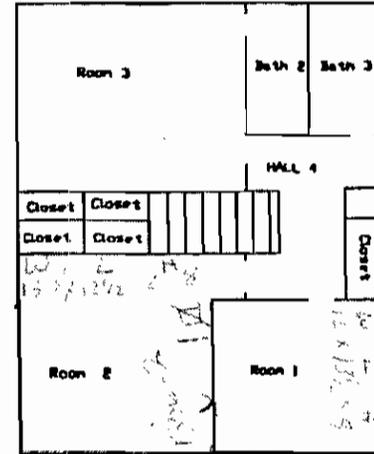
DWG DATE: 3 Mar 98

DWG NAME: Qtrs LL

Side C



FIRST FLOOR



SECOND FLOOR

Side D

Side A

Side B

Room 1 - Right wall

Room 2 - First wall for the door

SPORTENVDECHASN  
 1899 North Hobson Ave.  
 North Charleston, SC  
 29405-2106  
 Ph. (803) 743-8777

Floor Plan Qtrs KK  
 1356 Avenue H  
 Charleston Naval Complex  
 Charleston, SC

DWG DATE: 3 Mar 98

DWG NAME: Qtrs KK

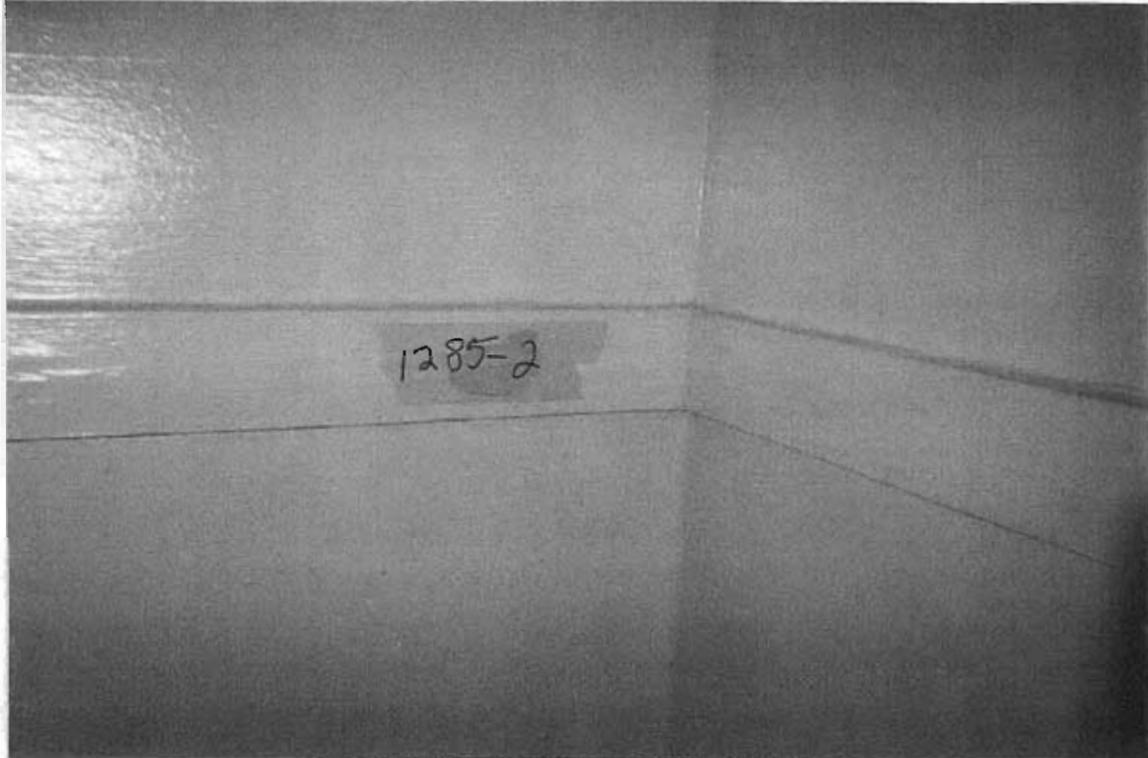
Figure 31-a, Quarters KK, Floorplan

**PHOTO LOGS**

**1285 AVENUE "G" QUARTERS GG**

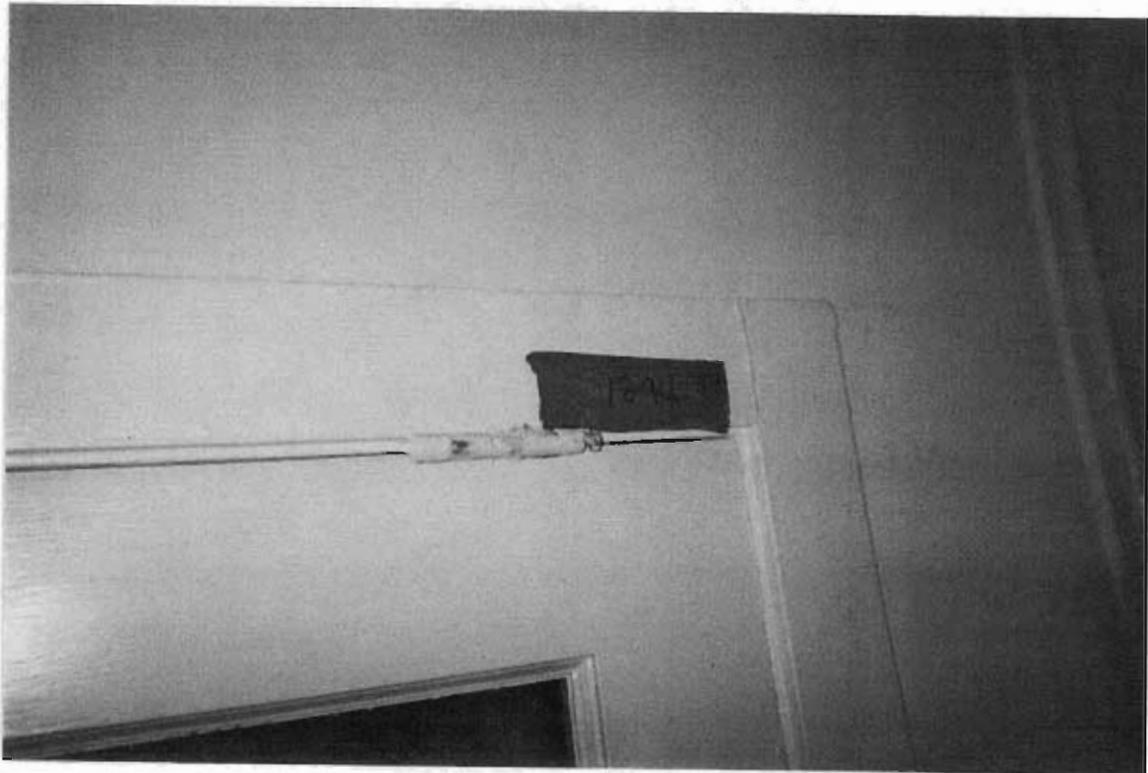


**SAMPLE # 1285-1 STAIRCASE LEFT SIDE**



**SAMPLE # 1285-2 ROOM # 1 WALL D**

**1294 "H" QUARTERS (GG)**



**SAMPLE # 1294-1 ROOM # 1, WALL - B (LIVING ROOM; PORCH DOOR**



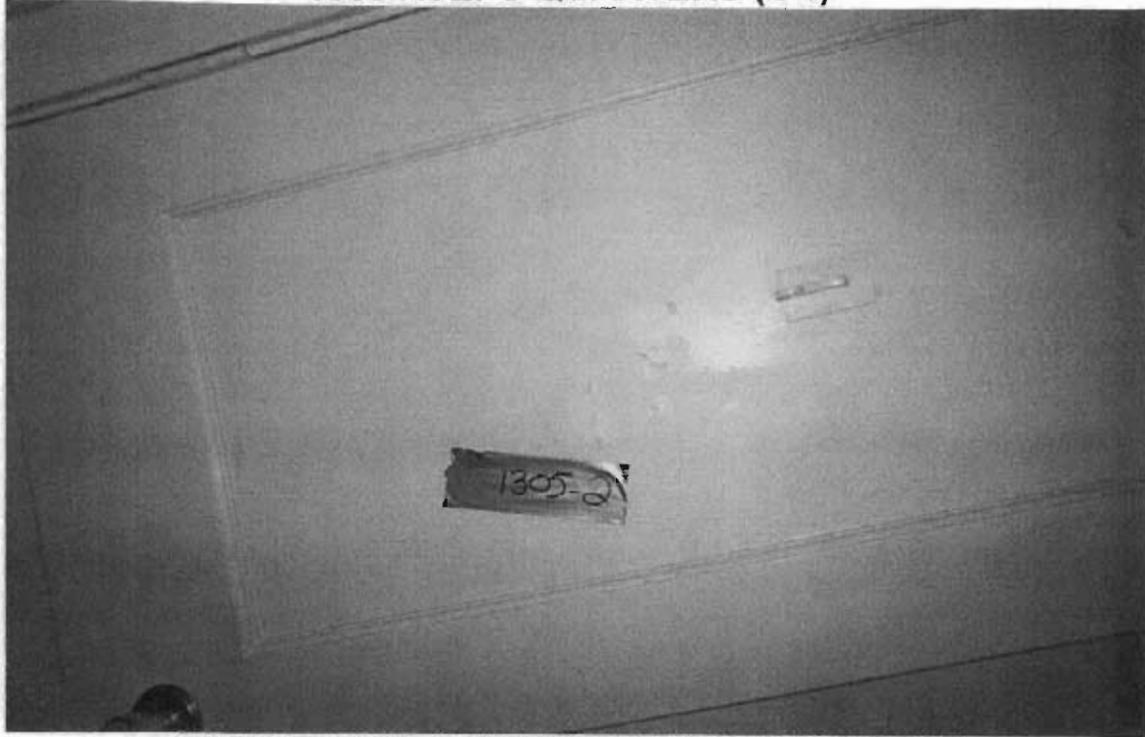
**SAMPLE # 1294-2 BATHROOM # 1, CEILING**

1294 AVENUE "H" QUARTERS (GG)

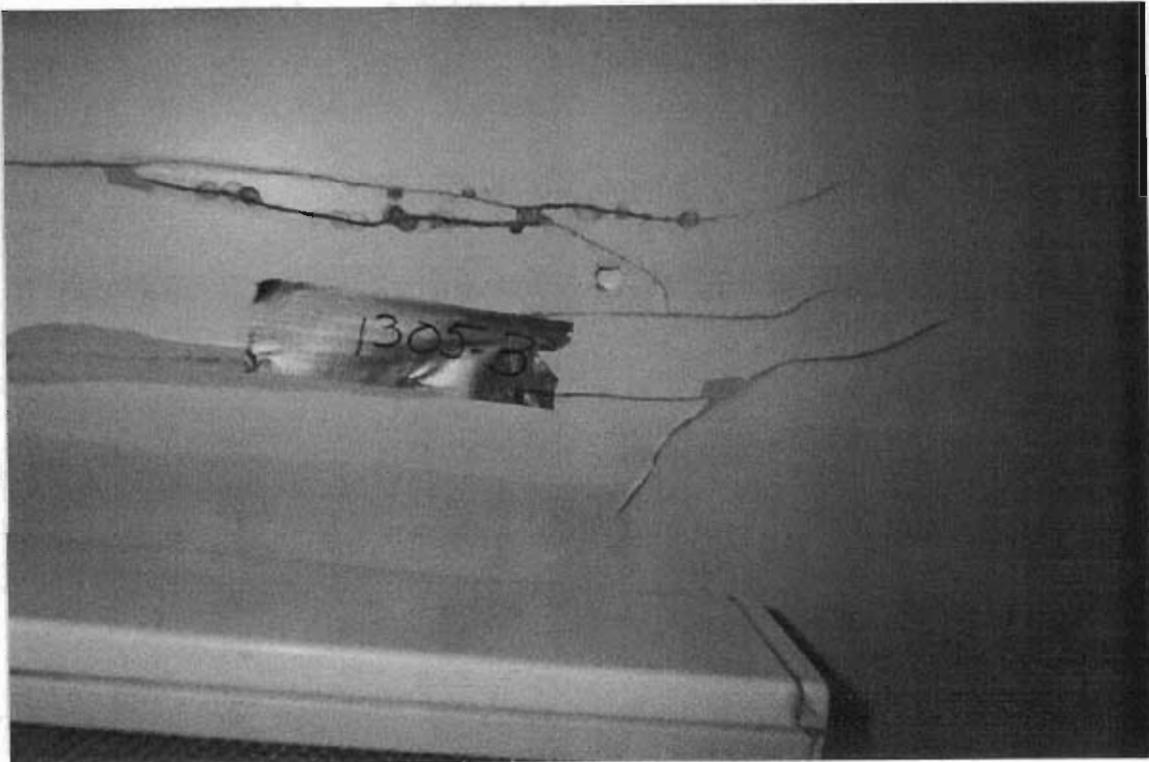


SAMPLE # 1294-3 BEDROOM # 2 B-WALL

**1305 AVE. G QUARTERS (CC)**



**SAMPLE # 1305-2 BATHROOM #1, INTERIOR DOOR**



**SAMPLE # 1305-3, KITCHEN CEILING**

1311 AVENUE "G" QUARTERS (BB)

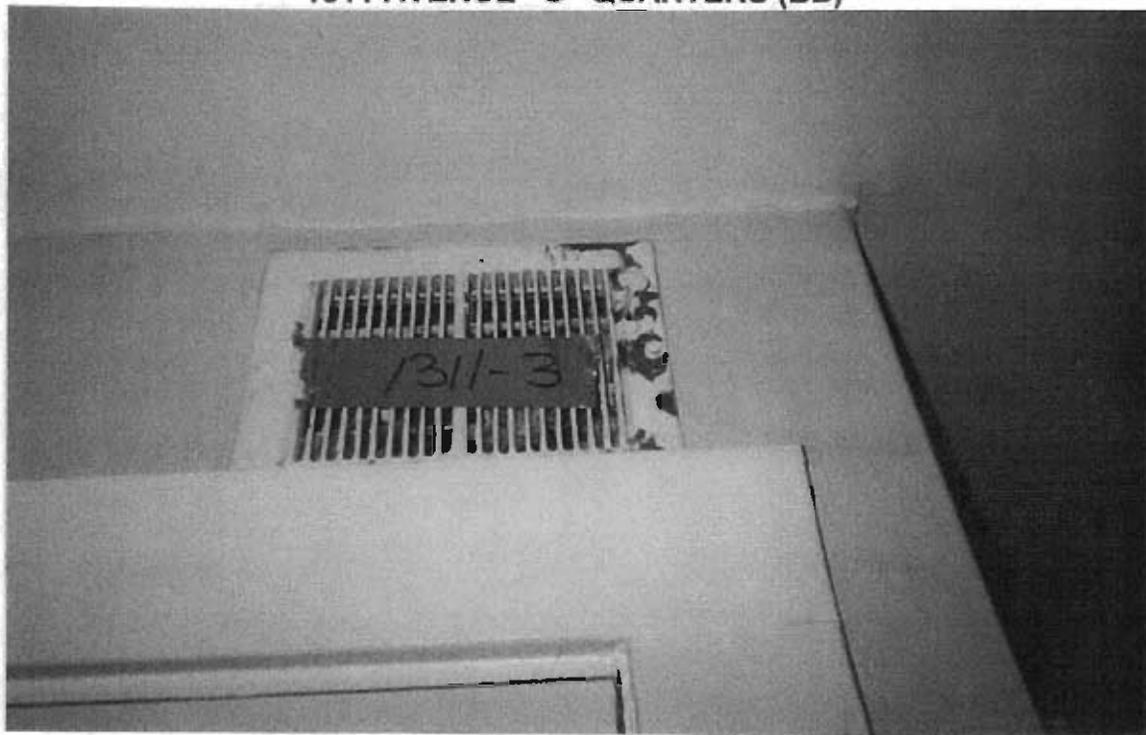


SAMPLE # 1311-1 KITCHEN CEILING

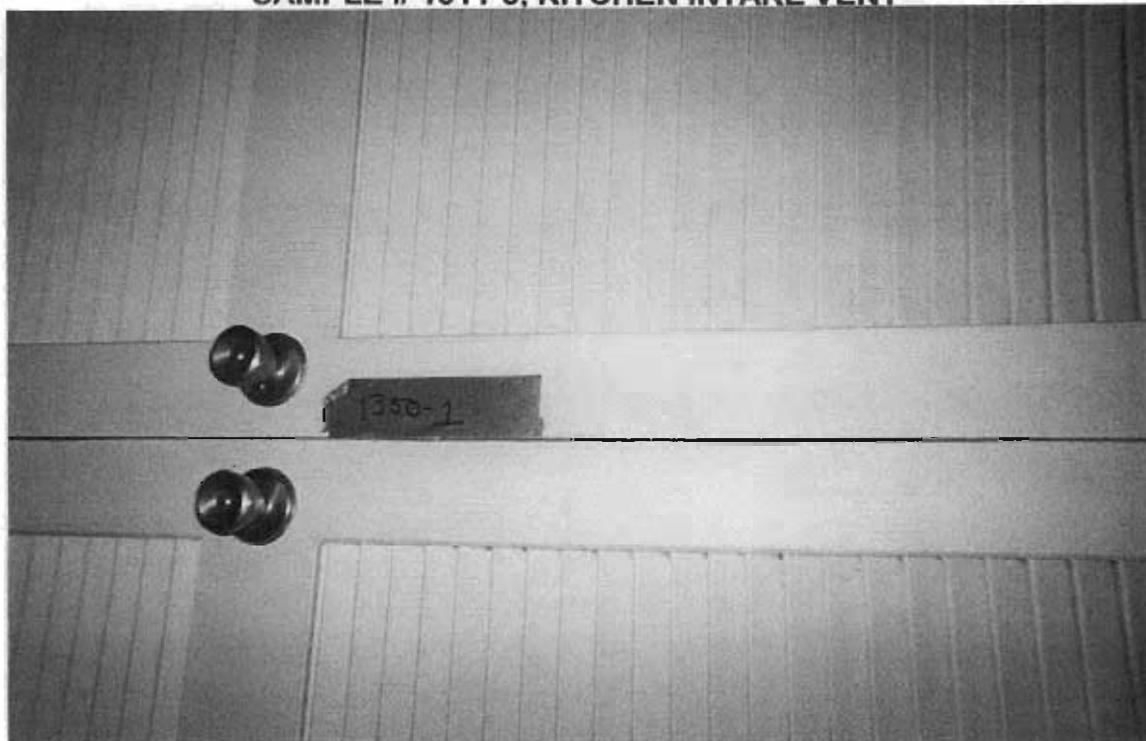


SAMPLE # 1311-2 BEDROOM # 3, BASEBOARD, WALL C

**1311 AVENUE "G" QUARTERS (BB)**



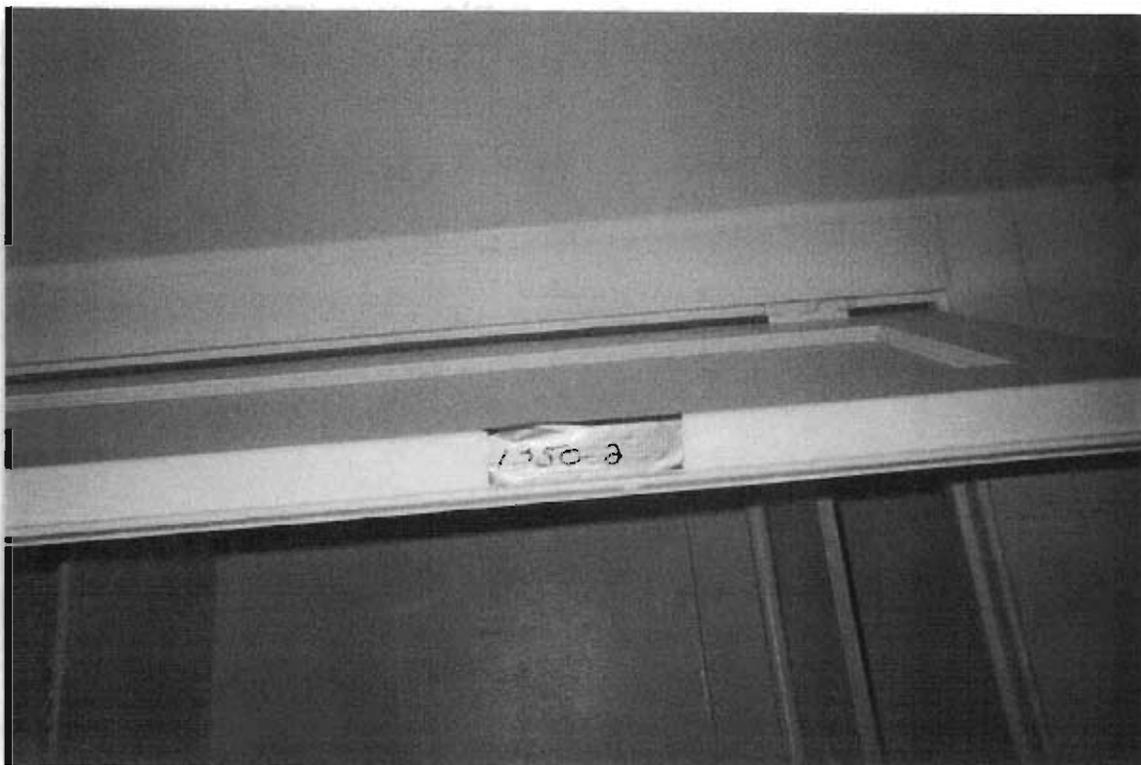
**SAMPLE # 1311-3, KITCHEN INTAKE VENT**



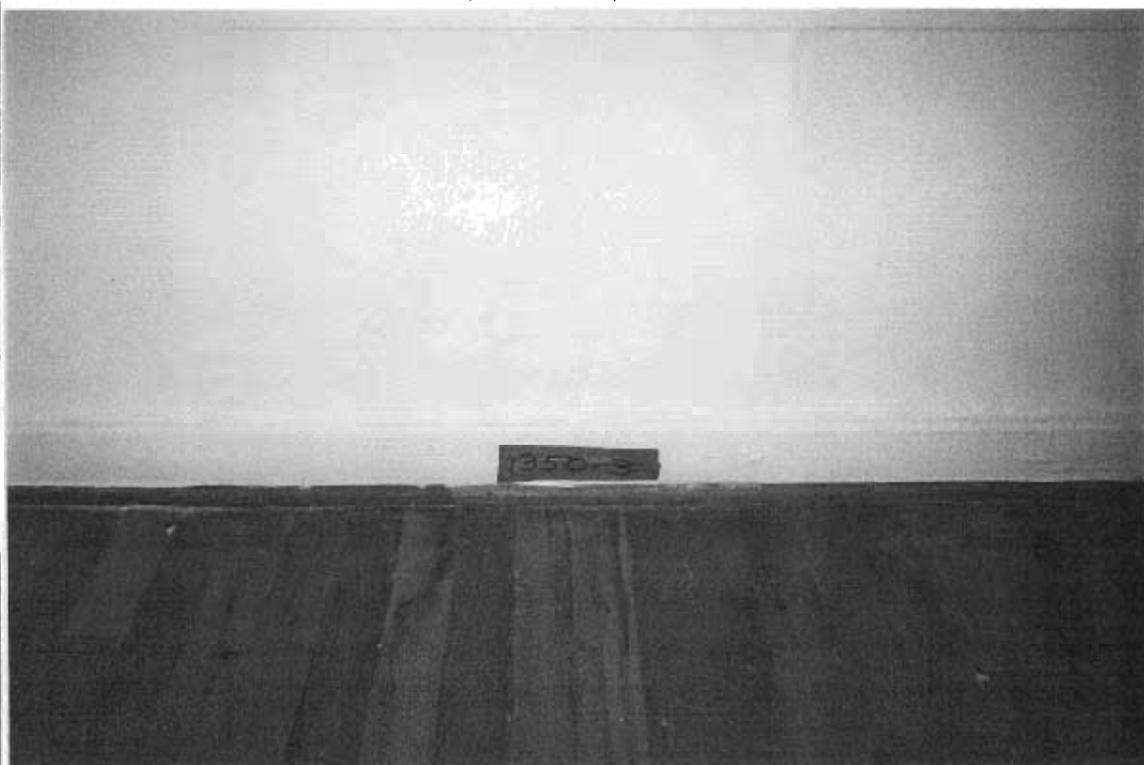
**1350 AVENUE H, QUARTERS (JJ)**

**SAMPLE # 1350-1, KITCHEN CLOSET MECHANICAL ROOM DOOR**

1350 AVENUE H, QUARTERS (JJ)

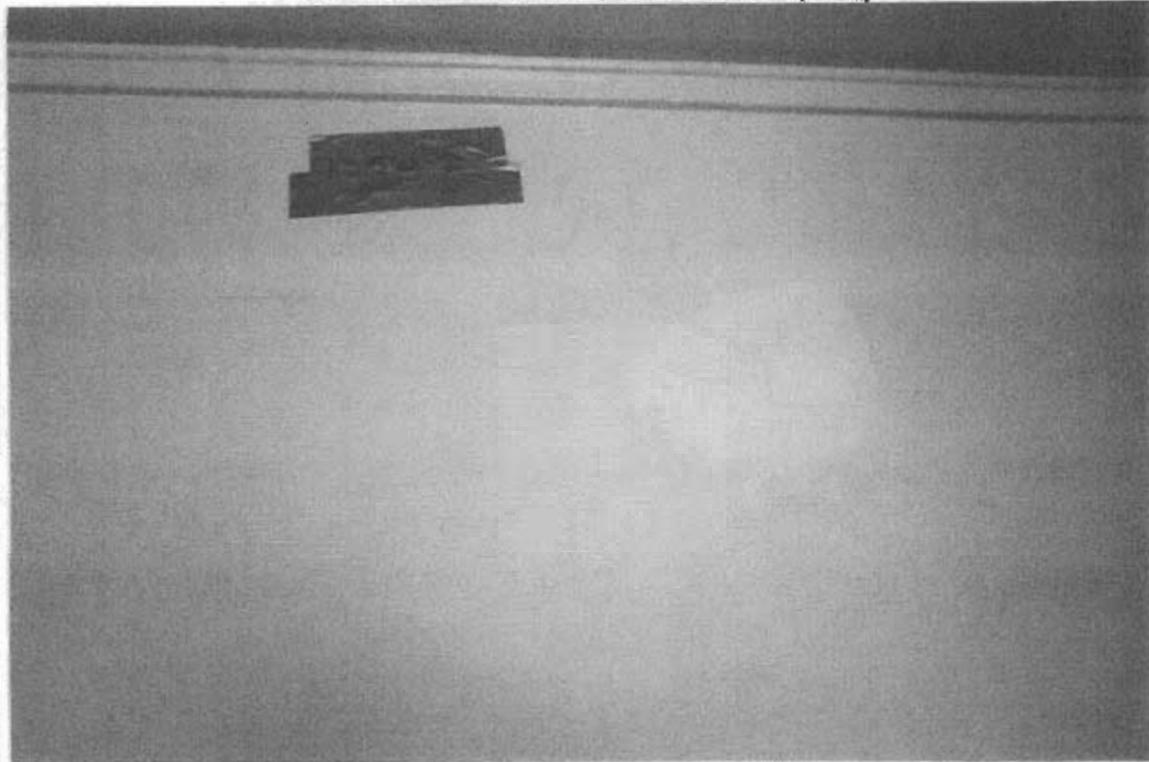


SAMPLE # 1350-2, ROOM 3, CLOSET DOOR EDGE

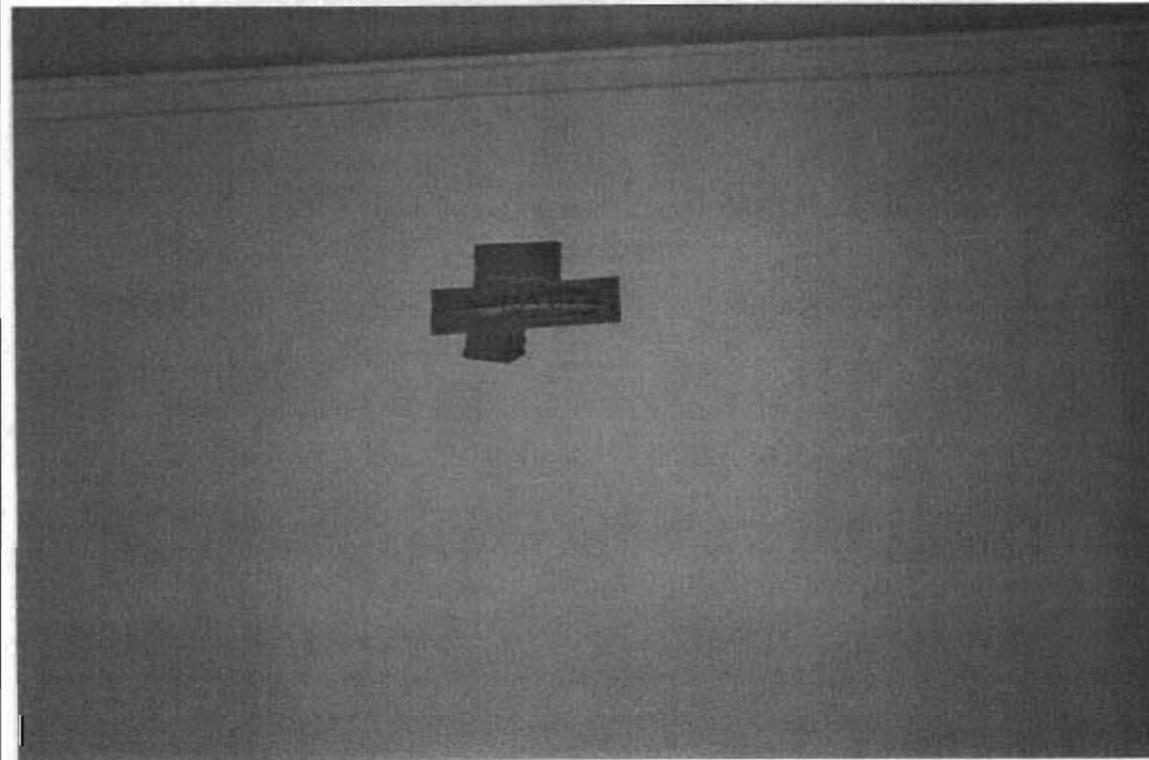


SAMPLE # 1350-3, ROOM 1, BASEBOARD

**1356 AVENUE H QUARTERS (KK)**



**SAMPLE # 1356-2, BEDROOM # 1, WALL D, 2<sup>ND</sup> FLOOR, ROOM 1D**



**SAMPLE # 1356-3, BEDROOM # 2, WALL D, ROOM 2B**