



 **FILE**

UNIVERSAL ENGINEERING SCIENCES

LEAD-BASED PAINT SURVEY

OLD FLAGLER COURTHOUSE
201 EAST MOODY BOULEVARD
BUNNELL, FLAGLER COUNTY, FLORIDA

UES Project No. 0940.0900009.0000
UES Report No. 758786

February 2009

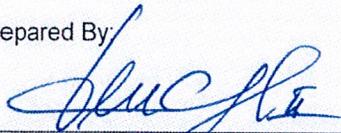
Prepared For:

Flagler County Engineering
1769 East Moody Boulevard, Building 2
Bunnell, Florida 32110

Prepared By:

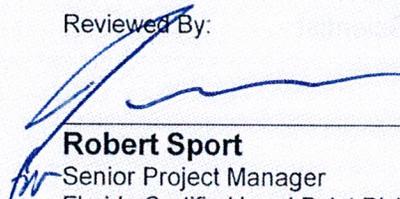
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Prepared By:



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(FL-R-6414-1)

CONSULTANTS:

Geotechnical Engineering ▪ Environmental Engineering ▪ Construction Materials Testing
Threshold Inspection ▪ Private Provider Inspection

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- West Palm Beach, FL

March 4, 2009

Flagler County Engineering
1769 East Moody Boulevard, Building 2
Bunnell, Florida 32110

Attention: Mr. Richard G. Gordon, P.E.

Subject: **Lead-Based Paint Survey**
Old Flagler Courthouse
201 East Moody Boulevard
Bunnell, Flagler County, Florida
UES Project No. 0940.0900009.0000
UES Report No. 758786

Dear Mr. Gordon:

On February 12, 2009, personnel from Universal Engineering Sciences, Inc. (UES) visited the Old Flagler Courthouse facility located at 201 East Moody Boulevard in Bunnell, Flagler County, Florida. At your request, UES tested for lead-based paint utilizing an X-Ray Fluorescence Spectrum Analyzer (XRF) on accessible painted building components. Three hundred forty-four (344) readings including calibration checks were taken with the XRF on painted surfaces throughout the building.

UES appreciates this opportunity to assist you. Please feel free to contact me at (904) 296-0757 with any questions.

Respectfully submitted,

UNIVERSAL ENGINEERING SCIENCES, INC.



Arturo R. Confiado III
Environmental Scientist

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1.0 INTRODUCTION

In this report Universal Engineering Sciences, Inc. (UES) presents the results of the suspected Lead-Based Paint (LBP) Survey performed on February 12, 2009 at the Old Flagler Courthouse facility located at 201 East Moody Boulevard in Bunnell, Flagler County, Florida. Please refer to **Appendix A** for the Site Location Map included as Figure A-1. This service was conducted according to the proposal dated December 8, 2008, as authorized by Mr. Richard G. Gordon, P.E. *This report is not intended for compliance with 40 CFR part 745.*

1.1 GENERAL

Lead-Based Paint, as defined by the United States Department of Housing and Urban Development (HUD), is dried paint film with a lead concentration equal to or greater than 1.0 milligrams of lead per square centimeter (mg/cm^2) when measured by a portable X-Ray Fluorescence (XRF) Lead Paint Analyzer, or a lead concentration of 5,000 parts per million (ppm) when analyzed by an American Industrial Hygiene Association (AIHA) Environmental Lead Laboratory (ELLAP), or 0.5 percent by weight when analyzed by an AIHA/ELLAP laboratory.

1.2 PURPOSE AND SCOPE

The purpose of this study was to perform an evaluation of the above-referenced facility for the presence of LBP. The activities and procedures used to accomplish this task are as follows:

1. Review available information concerning the subject property including the dates of initial construction, significant renovations, types of construction, and information regarding the property's uses.
2. Walk-through and observe accessible areas within the on-site building to identify, locate, and assess suspect LBP.
3. Measure suspect LBP with a portable XRF Lead Paint Analyzer on all combinations of assessable painted, glazed, shellacked, and/or stained components.
4. From inconclusive XRF readings, UES will collect paint chip samples. Analysis of collected paint chip samples will be by an AIHA/ELLAP accredited laboratory using Flame Atomic Absorption (FAA) Environmental Protection Agency (EPA) Method SW-846, 3rd edition, 7420 for the presence of lead.
5. Prepare and submit a report of our findings.



Complete destructive observation and sampling procedures were not used during our evaluation of the facility. Inaccessible areas within the facility such as inside partitions or other sealed areas are beyond the scope of this study. The scope of our investigation did not include an evaluation of stored materials.

1.3 INSPECTION PROCEDURES

The LBP survey was performed on February 12, 2009 by Mr. Arturo R. Confiado III. The survey included visual observations and XRF readings. The XRF instrument used for this survey was a Lead Paint Analyzer (LPA-1) manufactured by *Radiation Monitoring Devices (RMD)*. Typical components from which readings were obtained in this survey included walls, doors, door frames, windows, window frames, structural supports, and ceilings. Only building components with accessible painted surfaces were included in this survey.

2.0 XRF TESTING

2.1 XRF SPECIFICATION AND TESTING PROTOCOL

The RMD LPA-1 XRF Analyzer method of measurement is based on spectrometric analysis of lead K-shell XRF within a controlled depth of interrogation. K-shell measurements of lead in paint is the EPA/HUD's preferred method of XRF measurement. The K-Shell line (the higher energy emission) is normally used for paint analysis because it measures lead in all layers of paint films, including those layers nearest the substrate where higher lead levels are often found. K-shell X-rays can penetrate multiple layers of paint and/or various other coatings without being affected by the thickness and composition of the layers. The RMD LPA-1 XRF Analyzer uses a controlled depth concept which restricts the penetration of the energetic K-shell X-rays into the substrate so that the analyzer will not locate objects deep in a wall or component such as lead pipes. The RMD LPA-1 XRF Analyzer distinguishes the lead X-ray from interfering X-ray radiation from other metals. The RMD LPA-1 XRF Analyzer calculates and then displays the specific lead content as mg/cm^2 of surface area.

The portable RMD LPA-1 XRF Analyzer was operated in general accordance with the manufacturer's specifications. The testing of the selected areas was performed in general conformance with the *United States Department of Housing and Urban Development Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, (HUD Guidelines) dated June 1995. The sampling was limited to the interior and exterior components expected to be disturbed by any planned renovation and/or demolition.

2.2 XRF CALIBRATIONS

The EPA/HUD protocol requires calibration checks on the portable XRF analyzer. The calibration checks are performed at the beginning of the inspection, and/or every four hours, and at the conclusion of the inspection. Calibration checks were performed in



order to determine if the instrument was operating properly. Three calibration test measurements lasting a minimum of 32 seconds per measurement are collected on a selected National Institute of Standards and Technology (NIST) lead standard. The average of the three readings are recorded and compared to the known value of the standard provided by the manufacturer. All calibration checks for the portable RMD LPA-1 XRF Analyzer (Serial No. 1972) were within the manufacturer's parameters.

2.3 XRF OPERATIONS

The portable RMD LPA-1 XRF Analyzer was operated utilizing the "Quick Mode" (95% confidence) sampling mode with an "action" level of 1.0 mg/cm² as described in the EPA/HUD Guidelines. Each XRF result (K-Shell reading) was categorized as negative or positive. XRF readings equal to or greater than 1.0 mg/cm² are classified as positive. XRF readings less than 1.0 mg/cm² are classified as negative as described in the EPA/HUD Guidelines.

3.0 FINDINGS

A total of three hundred forty-four (344) XRF readings, including calibration checks, were performed at the Old Flagler Courthouse facility.

3.1 "POSITIVE" XRF READINGS

Fifty-five (55) of the XRF readings of the painted components tested exhibited readings equal to or greater than the "positive" classification of 1.0 mg/cm². Refer to Table 1 for a summary of positive XRF readings and to the XRF field forms included in **Appendix B** for additional information.

TABLE 1 SUMMARY OF POSITIVE XRF READINGS ABOVE 1.0 MG/CM ²							
Reading Number	Room Number/Name	Substrate	Color	Condition	Component	Location	XRF Reading
<i>Old Flagler Courthouse</i>							
83	115	Metal	Lt. Tan	I	Wall	North	1.9
84	115	Metal	Lt. Tan	I	Wall	East	3.1
85	115	Metal	Lt. Tan	I	Wall	South	2.7
86	115	Metal	Lt. Tan	I	Wall	West	9.2
87	115	Metal	Beige	F	Door	East	>9.9
88	115	Metal	Lt. Tan	F	Shutter	West 1	>9.9
89	115	Metal	Lt. Tan	F	Shutter	West 2	>9.9
90	115	Metal	Lt. Tan	F	Shutter	West 3	>9.9
91	115	Metal	Lt. Tan	F	Shutter	West 4	>9.9
92	115	Metal	Lt. Tan	F	Shutter	West 5	>9.9
100	111 Vault	Metal	Brown	F	Door	South	8.8
101	111 Vault	Metal	Brown	F	Door Frame	South	9.5
102	111 Vault	Metal	Gray	F	Door	North	8.0



TABLE 1
SUMMARY OF POSITIVE XRF READINGS ABOVE 1.0 MG/CM²

Reading Number	Room Number/Name	Substrate	Color	Condition	Component	Location	XRF Reading
<i>Old Flagler Courthouse</i>							
103	111 Vault	Metal	Gray	F	Shutter	North	7.1
104	111 Vault	Metal	Gray	F	Door	East	5.6
105	111 Vault	Metal	Gray	F	Shutter	East	6.5
110	111	Wood	White	I	Window Frame	West 1	6.9
111	111	Wood	White	I	Window Sill	West 1	1.8
114	111	Wood	White	I	Window Frame	North	9.5
115	111	Wood	White	I	Window Sill	North	1.3
121	111 Office	Wood	White	I	Window Frame	North	9.5
128	101	Wood	White	I	Window Frame	North	9.5
129	101	Wood	White	I	Window Sill	North	1.0
135	114	Wood	Beige	I	Window Frame	North 1	8.2
137	114	Wood	White	I	Window Frame	North 2	7.9
139	114 Vault	Metal	Brown	F	Door	South	>9.9
140	114 Vault	Metal	Brown	F	Door Frame	South	7.0
141	114 Vault	Metal	Gray	F	Door	North	8.5
142	114 Vault	Metal	Gray	F	Shutter	North	7.2
145	114	Wood	Beige	I	Window Frame	North 3	8.3
147	114	Wood	White	I	Window Frame	East 1	8.4
149	114	Wood	White	I	Window Frame	East 2	8.5
150	114	Wood	White	I	Window Sill	East 2	1.0
151	NE Stairs	Wood	Pink	I	Window Frame	East	8.2
154	219	Wood	Beige	I	Window Frame	North	6.8
156	219	Wood	Beige	I	Window Frame	West	6.8
161	219 Vault	Metal	Brown	F	Door	East	8.4
162	219 Vault	Metal	Brown	F	Door Frame	East	9.1
163	219 Vault	Metal	Gray	F	Door	West	6.8
164	219 Vault	Metal	Gray	F	Shutter	West	5.4
168	219	Wood	Beige	I	Window Frame	North 2	6.5
176	223 / 219	Wood	Beige	I	Window Frame	North	6.8
177	223 / 219	Wood	Beige	I	Window Sill	North	1.0
181	223	Wood	White	I	Window Frame	North	7.9
185	Library	Wood	Beige	I	Window Frame	North 1	7.8
187	Library	Wood	Beige	I	Window Frame	North 2	8.5
192	Judge Office 2	Wood	Beige	I	Window Frame	North	6.0
194	Judge Office 1	Wood	Beige	I	Window Frame	North	6.3
196	Judge Office 1	Wood	Beige	I	Window Frame	East	8.0
201	Judge Office Restroom	Wood	Tan	I	Window Frame	East	5.8
205	Jury Room	Wood	White	I	Window Frame	East	7.4



TABLE 1 SUMMARY OF POSITIVE XRF READINGS ABOVE 1.0 MG/CM ²							
Reading Number	Room Number/Name	Substrate	Color	Condition	Component	Location	XRF Reading
<i>Old Flagler Courthouse</i>							
216	NW Stairs	Wood	Pink	I	Window Frame	East	>9.9
218	221	Wood	Beige	I	Window Frame	West 1	6.0
220	221	Wood	Beige	I	Window Frame	West 2	7.1
221	221	Wood	Beige	I	Window Sill	West 2	2.8

Notes:

Paint Condition: I = Intact, F = Fair, P = Poor
 XRF Reading Units: mg/cm²

3.2 "NEGATIVE" XRF READINGS ABOVE 0.1 MG/CM²

Four (4) of the XRF readings of the painted components tested exhibited readings in the "negative" range of 0.1 mg/cm² to 0.9 mg/cm². Refer to Table 2 for a summary of negative XRF readings above 0.1 mg/cm² and to the XRF Field Forms included in **Appendix B** for additional information.

TABLE 2 SUMMARY OF NEGATIVE XRF READINGS ABOVE 0.1 MG/CM ²							
Reading Number	Room Number/Name	Substrate	Color	Condition	Component	Location	XRF Reading
<i>Old Flagler Courthouse</i>							
122	111 Office	Wood	White	I	Window Sill	North	0.4
136	114	Wood	Beige	I	Window Sill	North 1	0.4
165	219 Vault	Concrete	Brown	P	Floor	Center	0.4
217	NW Stair	Wood	Pink	I	Window Sill	East	0.1

Notes:

Paint Condition: I = Intact, F = Fair, P = Poor
 XRF Reading Units: mg/cm²

All other component coatings had XRF readings below the portable XRF detection limit for lead.

4.0 LABORATORY ANALYSIS (PAINT CHIP SAMPLES)

Every assessable component coating was able to be tested by the portable XRF Lead Paint Analyzer. Therefore, no laboratory testing was conducted during this survey.

5.0 SUMMARY

During UES' survey of component coatings within the Old Flagler Courthouse facility located at 201 East Moody Boulevard in Bunnell, Flagler County, Florida, a total of three hundred forty-four (344) XRF readings, including calibration checks, were performed.



Fifty-five (55) XRF readings were recorded equal to or greater than the "positive" classification of 1.0 mg/cm². Four (4) of the component coatings tested had XRF readings within the "negative" classification of 0.1 to 0.9 mg/cm². All of the remaining component coatings had XRF readings below the portable XRF detection limit for lead.

6.0 REGULATORY INFORMATION

LBP activities are governed by various regulations and guidelines. The regulations and guidelines are focused on the protection of building occupants, protection of the environment, disposal procedures, and worker protection.

The disturbance of LBP coatings is regulated by the Occupational Safety and Health Administration (OSHA), which has noted that the HUD LBP definition may not be applicable to regulations. The OSHA regulation does not define lead content of the coating, but instead, regulates the disturbance of the materials with any lead content.

The demolition of buildings is regulated under the National Emissions Standards for Hazardous Air Pollutants (NESHAP) statute for general dust control. Specifications for the proper work practices, controls and disposal should be developed to document compliance with all applicable regulations.

Those components/colors not tested, or in locations not inventoried in this report, should be tested for lead content prior to any disturbance (repair, renovation, abatement, or demolition) that may cause airborne release of lead. Components/colors that may be identified to contain the presence of lead should not be disturbed in any uncontrolled manner, such as during repair, renovation or demolition. Any disturbance of these materials should only be done by properly trained personnel in a controlled and documented manner.

The disposal of waste materials containing lead from renovation, abatement, and/or demolition is regulated by RCRA. RCRA requires a waste toxicity characteristic on the waste by using TCLP (40 CFR 261.24). The TCLP extract is analyzed for lead (or other constituents) to determine if it is above or below the allowable TC regulatory threshold, which for lead is 5 ppm, or mg/L.

It has been our past experience that the Florida Department of Environmental Protection (FDEP) and OSHA allows components with lead containing coatings to remain in-place during demolition provided that wet techniques and other engineering controls are employed during the process. However, the mixed demolition debris must be disposed of in a proper landfill according to the results of the TCLP. Further, components that have lead containing coatings and debris mixed with lead containing coatings can not be recycled and must be disposed in an appropriate landfill. With respect to lead related tasks, such as any manual demolition of structures, manual scraping, manual sanding, heat gun applications, and power tool cleaning with dust collection systems, OSHA requires employee protective measures until the employer



performs an employee exposure assessment and documents that the employee performing any of the demolition related tasks is not exposed above the Permissible Exposure Limit (PEL) of 50 micrograms of lead per cubic meter of air ($\mu\text{g}/\text{m}^3$) averaged over an 8-hour time weighted period. UES recommends employee exposure monitoring during any lead demolition tasks.

The EPA regulations are as follows:

Residential Lead Based Paint Hazard Reduction Act of 1992, Public Law 102-550: Title X of the Housing & Community Development Act of 1992

Deals with training requirements for managing and procedures for evaluating the risks of identified lead based paint.

40 CFR 745 - Subpart L - Lead-Based Paint Activities

Includes a "Model Accreditation Plan" outlining the training and certification program applicable to personnel performing LBP activities.

40 CFR 745 - Subpart F - Disclosure of Known Lead-Based Paint and/or Lead-Based Paint Hazards Upon Sale or Lease of Residential Property

Requires disclosure and an allowance for gathering of information concerning the presence or potential of LBP hazards during a residential property sale.

Resource Conservation & Recovery Act (RCRA)

Deals with the waste and disposal requirements associated with lead based paint materials.

The OSHA regulations are as follows:

29 CFR 1926.62, Lead Exposure in Construction: Interim Final Rule

Deals with the potential exposure to lead based paint materials to which construction workers may be subjected.

29 CFR 1910.134: Use of Respirators

The OSHA Respiratory Protection Rule defines the program and requirements as to when personnel are allowed to wear respirators, maintenance of respirators, etc.



In general, OSHA coverage extends to all private sector employer and employees. Those not covered under the standard typically include self-employed persons and federal, state and local municipal employees.

The Office of Public & Indian Housing, Department of Housing & Urban Development Regulation are as follows:

Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (1995)

Deals with requirements for testing and managing the potential for lead based paint exposure in public housing, primarily focused to the safety of children.

24 CFR 35 - Subpart H - Disclosure of Known Lead-Based Paint and/or Lead-Based Paint Hazards Upon Sale or Lease of Residential Property

Requires disclosure and an allowance for gathering of information concerning the presence or potential of LBP hazards during a residential property sale.

7.0 CONTROLLING AGENCIES

The Controlling Agency for the coordination of projects involving the NESHAP demolition regulations for the Flagler County area is the FDEP Northeast District Office located at 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7577 and can be contacted at (904) 807-3300.

The Federal controlling agency is EPA Region 4, Sam Nunn Atlanta Federal Building, 61 Forsyth Street, Atlanta, Georgia 30303, (404) 347-4727.

8.0 CONDITIONS AND LIMITATIONS

A representative of UES performed the XRF LPB inspection. This survey is applicable for the time that the inspection was conducted. Component surface coatings that were not tested by UES should be tested before any disturbance to the components (such as repair, renovation, or demolition). The testing results may not be acceptable for activities (such as renovation and repair) which may disturb the coatings and be regulated by OSHA.



APPENDIX A

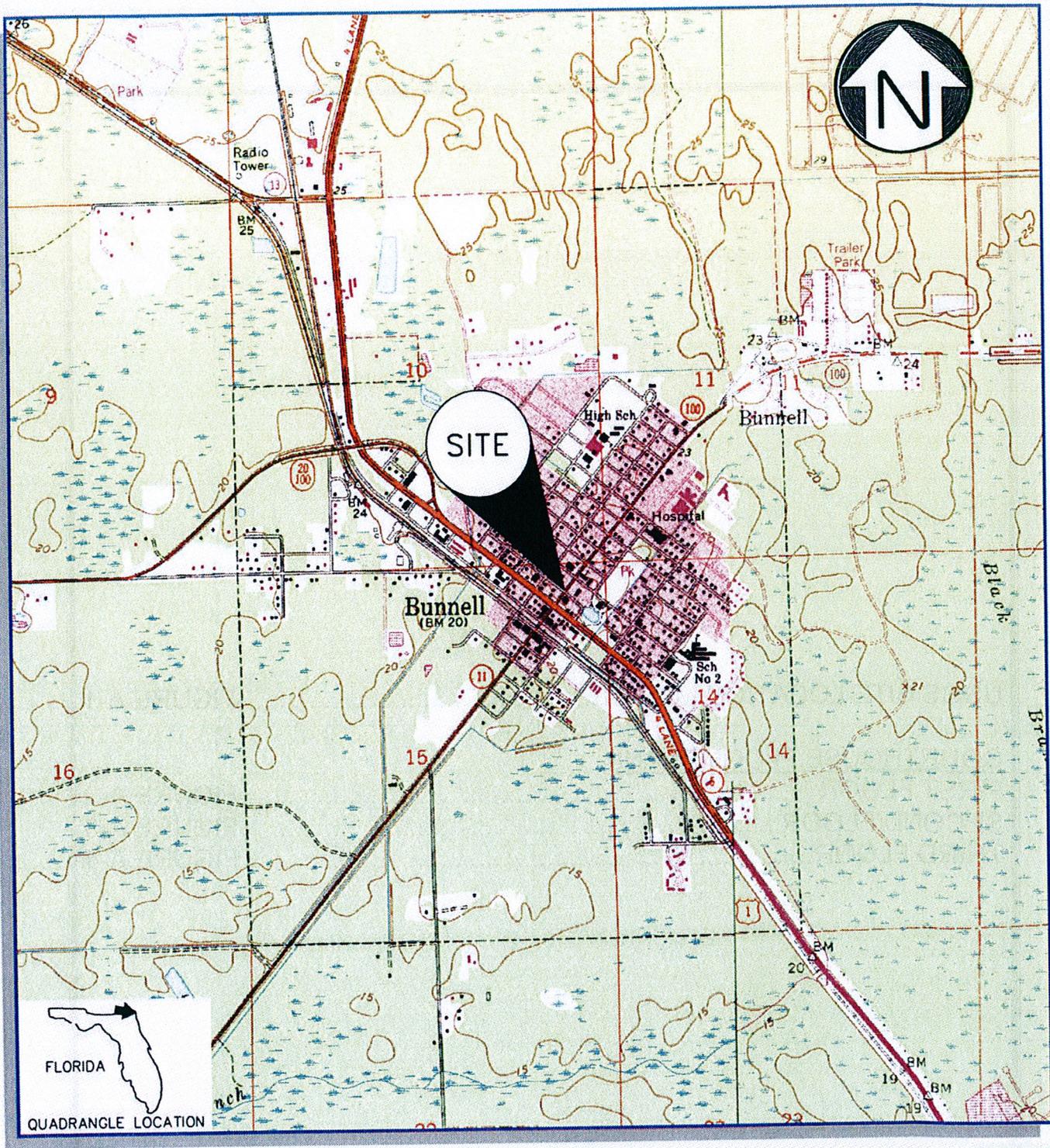
USGS SITE LOCATION MAP..... FIGURE A-1

COURTHOUSE FLOOR PLANS

FIRST FLOOR FIGURE A-2

SECOND FLOOR FIGURE A-3

THIRD FLOOR..... FIGURE A-4

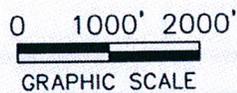


REFERENCE: TOPOGRAPHIC MAP
 BUNNELL QUADRANGLE; FLORIDA
 DATED: 1970; REVISED: 1993
 U.S. GEOLOGICAL SURVEY

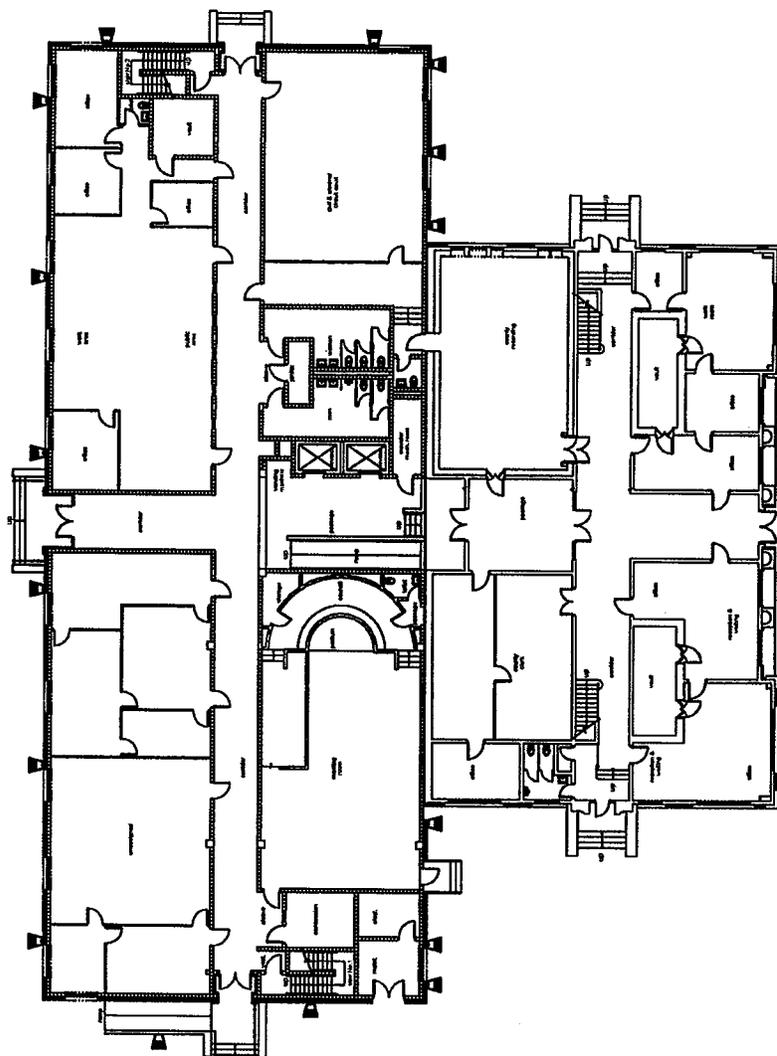
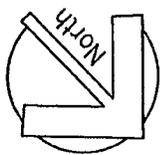


UNIVERSAL ENGINEERING SCIENCES, INC.
 5561 FLORIDA MINING BOULEVARD SOUTH
 JACKSONVILLE, FL 32257
 (904) 296-0757

SITE LOCATION MAP
 OLD FLAGLER COURTHOUSE
 201 E. MOODY BOULEVARD
 BUNNELL, FLORIDA



DRAWN: TW	DATE: 2/18/09	SCALE: 1" = 2000'
CHECKED: AC	PROJ. NO. 0240.0900009.0000	Figure A-1



FIRST FLOOR

LEAD-BASED PAINT SURVEY
OLD FLAGLER COURTHOUSE
201 EAST MOODY BOULEVARD
BUNNELL, FLORIDA

SITE PLAN

REVISED BY: TW

DATE: 2/18/09

CHECKED BY: AC

DATE: 2/18/09

SCALE: N.T.S.

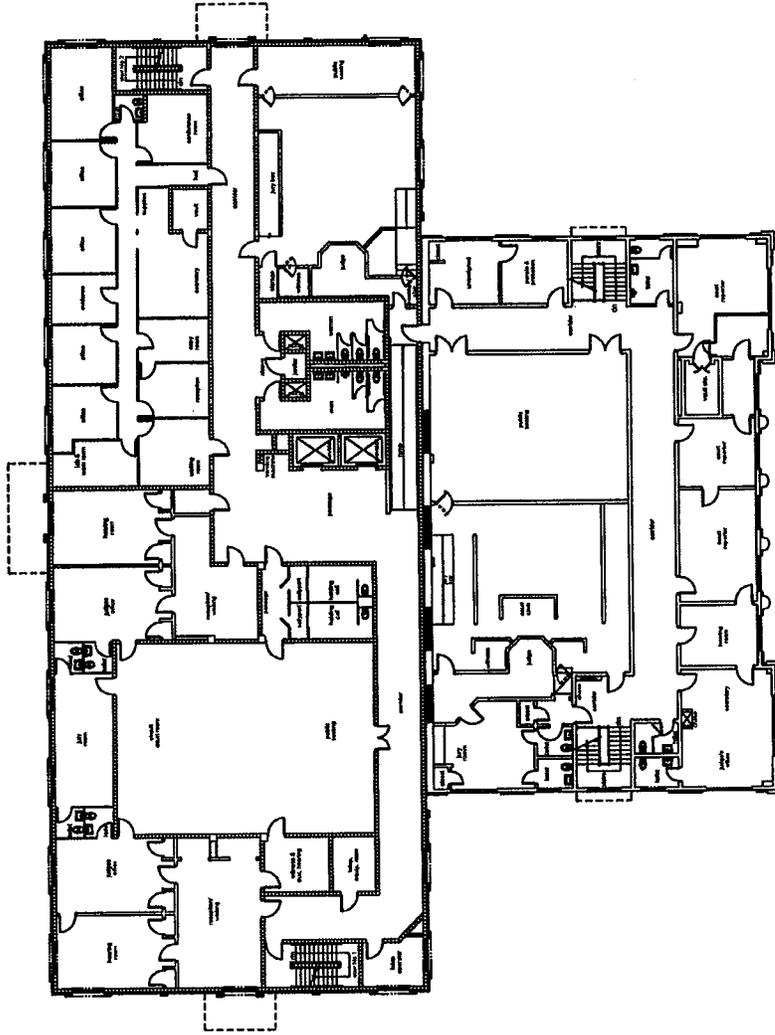
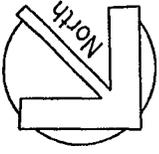
PROJECT NO: 0940.0900009.0000

REPORT NO: N/A

PAGE NO: A-2



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SECOND FLOOR

LEAD-BASED PAINT SURVEY
OLD FLAGLER COURTHOUSE
201 EAST MOODY BOULEVARD
BUNNELL, FLORIDA

SITE PLAN



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REVISED BY: TW

DATE: 2/18/09

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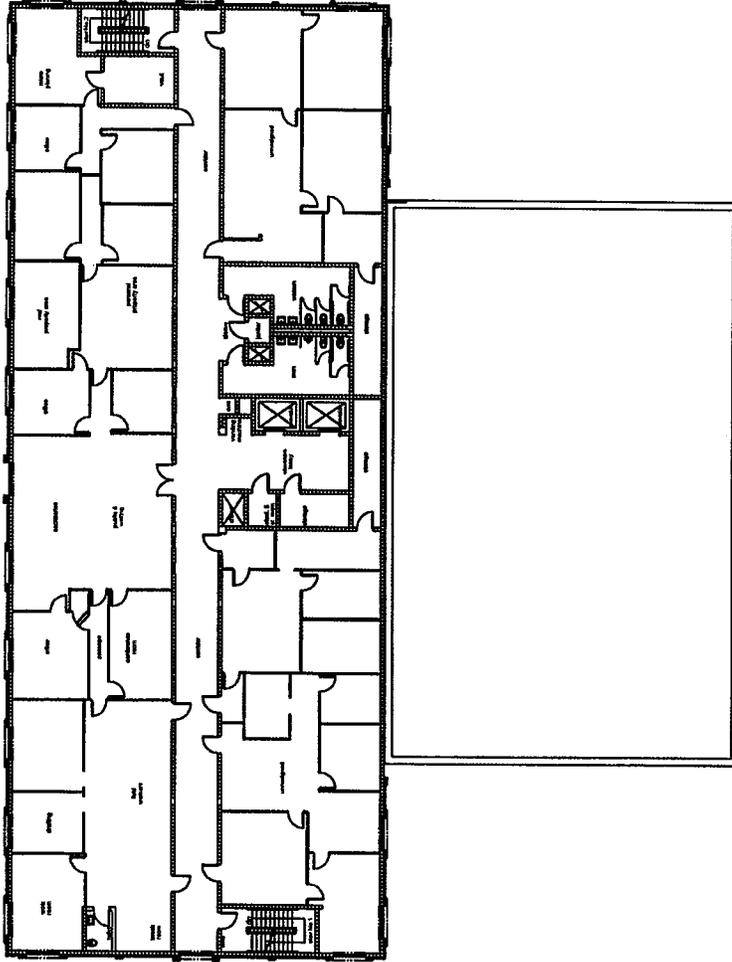
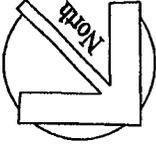
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PROJECT NO: 0940.0900009.0000

REPORT NO: N/A

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THIRD FLOOR

LEAD-BASED PAINT SURVEY
OLD FLAGLER COURTHOUSE
201 EAST MOODY BOULEVARD
BUNNELL, FLORIDA

SITE PLAN

REVISED BY: TW

DATE: 2/18/09

CHECKED BY: AC

DATE: 2/18/09

SCALE: N.T.S.

PROJECT NO: 0940.0900009.0000

REPORT NO: N/A

PAGE NO: A-4



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APPENDIX B

XRF FIELD INSPECTION FORMS

Unit # 1972 XRF Report No. Building Name Old Courthouse Page: 1 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos, Neg)
						Wall/A/B/C/D	Left/Right/Centre	Top/Middle/Bottom			
1	TEST	WOOD	YELLOW	I	TEST CAMP	TEST CAMP			1.0	mg/cm ²	-
2	HALL	CONCRETE	LT. PINK	I	WALL	E			0.4	mg/cm ²	N
3	HALL	CONCRETE	LT. PINK	I	WALL	W			0.2	mg/cm ²	N
4	HALL	PLASTER	LT. PINK	I	WALL	N			0.4	mg/cm ²	N
5	HALL	PLASTER	LT. PINK	I	WALL	S			0.4	mg/cm ²	N
6	HALL	PLASTER	LT. PINK	I	WALL	N			0.5	mg/cm ²	N
7	HALL	PLASTER	LT. PINK	I	WALL	S			0.4	mg/cm ²	N
8	HALL	CONCRETE	LT. PINK	I	WALL	E			0.3	mg/cm ²	N
9	HALL	CONCRETE	LT. PINK	I	WALL	W			0.2	mg/cm ²	N
10	HALL	CONCRETE	LT. PINK	I	WALL	N			0.3	mg/cm ²	N
11	HALL	CONCRETE	LT. PINK	I	WALL	S			0.4	mg/cm ²	N
12	139	CONCRETE	LT. PINK	I	WALL	W			0.2	mg/cm ²	N
13	139	CONCRETE	LT. PINK	I	WALL	S			0.1	mg/cm ²	N
14	139	CONCRETE	LT. PINK	I	WALL	N			0.1	mg/cm ²	N
15	138	CONCRETE	LT. PINK	I	WALL	E			0.2	mg/cm ²	N
16	139	WOOD	WHITE	I	W. WALL	W			0.3	mg/cm ²	N
17	139	WOOD	WHITE	I	W. FRAME	W			0.2	mg/cm ²	N
18	139	WOOD	WHITE	I	W. WALL	N-1			0.2	mg/cm ²	N
19	139	WOOD	WHITE	I	W. FRAME	N-1			0.1	mg/cm ²	N
20	138	WOOD	WHITE	I	W. WALL	N-2			0.3	mg/cm ²	N

Paint Condition: I = Intact, F = Fair, P = Poor
 Classification: P = Positive, N = Negative

Unit # 1972 XRF Report No. Building Name Old Courthouse Page: 2 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature *[Signature]*

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos/Neg)
						Wall, A, B, C, D	Left, Right, Center	Top, Middle, Bottom			
21	139	WOOD	BEIGE	I	W. FRAME	W. FRAME	N-2	-0.4	mg/cm ²	N	
22	139	WOOD	BEIGE	I	W. SILL	W. SILL	N-3	-0.3	mg/cm ²	N	
23	139	WOOD	BEIGE	I	W. FRAME	W. FRAME	N-3	-0.3	mg/cm ²	N	
24	104	CONCRETE	BEIGE	I	WALL	WALL	S	-0.4	mg/cm ²	N	
25	104	CONCRETE	BEIGE	I	WALL	WALL	W	-0.2	mg/cm ²	N	
26	104	CONCRETE	BEIGE	I	WALL	WALL	N	-0.4	mg/cm ²	N	
27	104	CONCRETE	BEIGE	I	WALL	WALL	E	-0.3	mg/cm ²	N	
28	107	PLASTER	BEIGE	I	WALL	WALL	N	-0.7	mg/cm ²	N	
29	107 - BATH	PLASTER	BEIGE	I	WALL	WALL	S	-0.5	mg/cm ²	N	
30	107 - BATH	CONCRETE	BEIGE	I	WALL	WALL	N	-0.3	mg/cm ²	N	
31	107 - BATH	CONCRETE	BEIGE	I	WALL	WALL	W	-0.2	mg/cm ²	N	
32	107 - MECH	DRYWALL	BEIGE	I	WALL	WALL	N	-0.3	mg/cm ²	N	
33	107 - MECH	CONCRETE	BEIGE	I	WALL	WALL	S	-0.1	mg/cm ²	N	
34	107 - MECH	DRYWALL	BEIGE	I	WALL	WALL	N	-0.2	mg/cm ²	N	
35	139	METAL	BEIGE	I	D. FRAME	D. FRAME	S	-0.2	mg/cm ²	N	
36	104	METAL	BEIGE	I	D. FRAME	D. FRAME	N	-0.1	mg/cm ²	N	
37	107	METAL	BEIGE	I	D. FRAME	D. FRAME	N	-0.1	mg/cm ²	N	
38	107	METAL	BEIGE	I	D. FRAME	D. FRAME	N	-0.1	mg/cm ²	N	
39	139	METAL	BEIGE	I	D. FRAME	D. FRAME	S	-0.2	mg/cm ²	N	
40	139	METAL	BEIGE	I	D. FRAME	D. FRAME	S	-0.1	mg/cm ²	N	

Paint Condition: I = Intact, F = Fair, P = Poor
 Classification: P = Positive, N = Negative

Unit # 1972 XRF Report No. Building Name Old Courthouse Page: 3 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature *Arturo Confiado*

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos, Neg)
						Wall	Top	Bottom			
41	137	CONCRETE	LT BLUE	I	WALL	N			-0.1	mg/cm ²	N
42	137	DRYWALL	LT BLUE	I	WALL	E			-0.4	mg/cm ²	N
43	137	CONCRETE	LT BLUE	I	WALL	S			-0.5	mg/cm ²	N
44	137	CONCRETE	LT BLUE	I	WALL	W			-0.3	mg/cm ²	N
45	137	DRYWALL	LT BLUE	I	WALL	N			-0.1	mg/cm ²	N
46	137	DRYWALL	LT BLUE	I	WALL	E			-0.4	mg/cm ²	N
47	137	DRYWALL	LT BLUE	I	WALL	S			-0.8	mg/cm ²	N
48	137	DRYWALL	LT BLUE	I	WALL	W			-0.3	mg/cm ²	N
49	137	DRYWALL	LT BLUE	I	WALL	N			-0.5	mg/cm ²	N
50	137	METAL	BRN	I	D. FRAME	S			-0.1	mg/cm ²	N
51	137	METAL	BRN	I	D. FRAME	S			-0.1	mg/cm ²	N
52	135	CONCRETE	BRN	I	WALL	N			-0.2	mg/cm ²	N
53	135	CONCRETE	BRN	I	WALL	E			-0.2	mg/cm ²	N
54	135	CONCRETE	BRN	I	WALL	S			-0.4	mg/cm ²	N
55	135	CONCRETE	BRN	I	WALL	W			-0.3	mg/cm ²	N
56	135	METAL	BRN	I	WALL POOL	W			-0.3	mg/cm ²	N
57	135	METAL	BRN	I	WALL FRAME	W			-0.2	mg/cm ²	N
58	135	WOOD	BRN	I	W. FRAME	S-1			-0.4	mg/cm ²	N
59	135	WOOD	BRN	I	W. SIL	S-1			-0.0	mg/cm ²	N
60	135	WOOD	BRN	I	W. FRAME	S-2			-0.2	mg/cm ²	N

Paint Condition: I = Intact, F = Fair, P = Poor
 Classification: P = Positive, N = Negative

Unit # 1972 XRF Report No. Building Name Old Courthouse Page: 4 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos, Neg)
						Wall, A, B, C, D	Let, Right, Center	Top, Middle, Bottom			
61	135	WOOD	BEIGE	I	W. SIL	S-2		-0.1	ng/cm ²	N	
62	135	WOOD	BEIGE	I	W. FRAME	S-3		0.0	ng/cm ²	N	
63	135	WOOD	BEIGE	I	W. SIL	S-3		0.0	ng/cm ²	N	
64	135	WOOD	BEIGE	I	W. FRAME	S-4		-0.3	ng/cm ²	N	
65	135	WOOD	BEIGE	I	W. SIL	S-4		-0.0	ng/cm ²	N	
66	135	WOOD	BEIGE	I	W. FRAME	S-5		-0.2	ng/cm ²	N	
67	135	WOOD	BEIGE	I	W. SIL	S-5		-0.2	ng/cm ²	N	
68	135	WOOD	BEIGE	I	W. FRAME	W		-0.3	ng/cm ²	N	
69	135	WOOD	BEIGE	I	W. SIL	W		-0.1	ng/cm ²	N	
70	125	CONCRETE	BEIGE	I	WALL	S		-0.3	ng/cm ²	N	
71	125	CONCRETE	BEIGE	I	WALL	W		-0.1	ng/cm ²	N	
72	125	CONCRETE	BEIGE	I	WALL	N		-0.2	ng/cm ²	N	
73	125	CONCRETE	BEIGE	I	WALL	E		0.0	ng/cm ²	N	
74	125	DM WOOD	LT PINK	I	WALL	S		-0.6	ng/cm ²	N	
75	125	DM WOOD	LT PINK	I	WALL	W		-0.2	ng/cm ²	N	
76	125	METAL	LT BLUE	I	DOOR	N		-0.5	ng/cm ²	N	
77	125	METAL	LT PINK	I	D. FRAME	N		-0.1	ng/cm ²	N	
78	117	DM WOOD	LT. BROWN	I	WALL	N		-0.2	ng/cm ²	N	
79	10884	PLASTER	PINK	I	WALL	E		-0.3	ng/cm ²	N	
80	10884	PLASTER	PINK	I	WALL	W		-0.2	ng/cm ²	N	

Paint Condition: I = Intact, F = Fair, P = Poor
 Classification: P = Positive, N = Negative

Unit # 1972 XRF Report No. Building Name Old Courthouse Page: 5 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature [Signature]

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos, Neg)
						Wall, A,B,C,D	Left, Right, Center	Top, Middle, Bottom			
81	LAB 4	DRYWALL	PINK	I	WALL	S			-0.1	mg/cm ²	N
82	LAB 4	PURSTON	PINK	I	WALL	N			0.0	mg/cm ²	N
83	115	METAL	LT. TAN	I	WALL	N			1.9	mg/cm ²	P
84	115	METAL	LT. TAN	I	WALL	E			3.1	mg/cm ²	P
85	115	METAL	LT. TAN	I	WALL	S			2.7	mg/cm ²	P
86	115	METAL	LT. TAN	I	WALL	W			9.2	mg/cm ²	P
87	115	METAL	DRG	F	DOOR	E			79.9	mg/cm ²	P
88	115	METAL	LT. TAN	F	SHUTTER	W-1			79.9	mg/cm ²	P
89	115	METAL	LT. TAN	F	SHUTTER	W-2			79.9	mg/cm ²	P
90	115	METAL	LT. TAN	F	SHUTTER	W-3			79.9	mg/cm ²	P
91	115	METAL	LT. TAN	F	SHUTTER	W-4			79.9	mg/cm ²	P
92	115	METAL	LT. TAN	F	SHUTTER	W-5			79.9	mg/cm ²	P
93	TEST CHIP	WOOD	YELLOW	I	TEST CHIP	TEST CHIP			1.0	mg/cm ²	-
94	111	WOOD	WHITE	I	D. FRAME	S			-0.2	mg/cm ²	N
95	111	WOOD	WHITE	I	D. FRAME	S			-0.1	mg/cm ²	N
96	111	WOOD	WHITE	I	BASEBOARD	S			-0.1	mg/cm ²	N
97	111	WOOD	WHITE	I	BASEBOARD	W			-0.2	mg/cm ²	N
98	111	WOOD	WHITE	I	BASEBOARD	N			-0.5	mg/cm ²	N
99	111	WOOD	WHITE	I	BASEBOARD	E			0.0	mg/cm ²	N
100	111	METAL	BROWN	F	DOOR	S			8.8	mg/cm ²	P

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Unit # 1972 XRF Report No. Building Name Old Courthouse Page: 6 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos/Neg)
						Wall A,B,C,D	Left, Right, Center	Top, Middle, Bottom			
101	III VAULT	METAL	BROWN	F	D. FRAME	S			9.5	mg/cm ²	P
102	III VAULT	METAL	GRAY	F	DOOR	N			8.0	mg/cm ²	P
103	III VAULT	METAL	GRAY	F	SHUTTER	N			7.1	mg/cm ²	P
104	III VAULT	METAL	GRAY	F	DOOR	E			5.6	mg/cm ²	P
105	III VAULT	METAL	GRAY	F	SHUTTER	E			6.5	mg/cm ²	P
106	III VAULT	PLASTER	WHITE	I	WALL	N			0.2	mg/cm ²	N
107	III VAULT	PLASTER	WHITE	I	WALL	W			0.3	mg/cm ²	N
108	III VAULT	PLASTER	WHITE	I	WALL	E			0.0	mg/cm ²	N
109	III VAULT	PLASTER	WHITE	I	WALL	S			0.1	mg/cm ²	N
110	III	WOOD	WHITE	I	W. FRAME	W-1			6.9	mg/cm ²	P
111	III	WOOD	WHITE	I	W. SILL	W-1			1.8	mg/cm ²	P
112	III	WOOD	WHITE	I	W. FRAME	W-2			0.0	mg/cm ²	N
113	III	WOOD	WHITE	I	W. SILL	W-2			0.2	mg/cm ²	N
114	III	WOOD	WHITE	I	W. FRAME	W			9.5	mg/cm ²	P
115	III	WOOD	WHITE	I	W. SILL	N			1.7	mg/cm ²	F
116	III OFFICE	WOOD	WHITE	I	D. FRAME	W			0.2	mg/cm ²	N
117	III OFFICE	WOOD	WHITE	I	D. FRAME	E			0.2	mg/cm ²	N
118	III OFFICE	WOOD	WHITE	I	FRAMING	W			0.4	mg/cm ²	N
119	III OFFICE	WOOD	WHITE	I	FRAMING	N			0.2	mg/cm ²	N
120	III OFFICE	WOOD	WHITE	I	FRAMING	E			0.2	mg/cm ²	N

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Unit # 1972 XRF Report No. Building Name Old Courthouse Page: 7 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos, Neg)
						Wall	Center	Bottom			
121	11 OFFICE	WOOD	WHITE	I	W. FRAME	N			9.5	mg/cm ²	P
122	11 OFFICE	WOOD	WHITE	I	W. SILL	N			0.4	mg/cm ²	N
123	101	WOOD	WHITE	I	D. FRAME	W			-0.2	mg/cm ²	N
124	101	WOOD	WHITE	I	D. FRAME	S			-0.5	mg/cm ²	N
125	101	WOOD	WHITE	I	D. FRAME	E			-0.2	mg/cm ²	N
126	101	WOOD	WHITE	I	EXPOSED	E			-0.5	mg/cm ²	N
127	101	WOOD	WHITE	I	EXPOSED	W			-0.2	mg/cm ²	N
128	101	WOOD	WHITE	I	W. FRAME	N			9.5	mg/cm ²	P
129	101	WOOD	WHITE	I	W. SILL	N			1.0	mg/cm ²	P
130	114	WOOD	WHITE	I	D. FRAME	W			-0.1	mg/cm ²	N
131	114	WOOD	WHITE	I	D. FRAME	E			-0.2	mg/cm ²	N
132	114	WOOD	WHITE	I	D. FRAME	S			-0.2	mg/cm ²	N
133	114	WOOD	WHITE	I	EXPOSED	S			-0.1	mg/cm ²	N
134	114	WOOD	GRAY	I	EXPOSED	N			-0.0	mg/cm ²	N
135	114	WOOD	GRAY	I	W. FRAME	N-1			8.2	mg/cm ²	P
136	114	WOOD	GRAY	I	W. SILL	N-1			0.4	mg/cm ²	N
137	114	WOOD	WHITE	I	W. FRAME	N-2			7.9	mg/cm ²	P
138	114	WOOD	WHITE	I	W. SILL	N-2			-0.2	mg/cm ²	N
139	114 VANGT	METAL	BROWN	F	DOOR	S			79.9	mg/cm ²	P
140	114 VANGT	METAL	BROWN	F	D. FRAME	S			7.0	mg/cm ²	P

Paint Condition: I = Intact, F = Fair, P = Poor
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Unit # 1972 XRF Report No. — Building Name Old Courthouse Page: 8 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. ARMID LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature [Signature]

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos./Neg)
						Wall	Center	Bottom			
141	114 VAULT	METAL	GRAY	F	DOOR	N			8.5	mg/cm ²	P
142	114 VAULT	METAL	GRAY	F	SHUTTER	N			7.2	mg/cm ²	P
143	114 VAULT	METAL	WHITE	I	WALL	N			-0.2	mg/cm ²	N
144	114 VAULT	PLASTER	WHITE	I	WALL	W			-0.3	mg/cm ²	N
145	114	WOOD	BEIGE	I	W. FRAME	N-3			8.3	mg/cm ²	P
146	114	WOOD	BEIGE	I	W. SILU	N-3			-0.0	mg/cm ²	N
147	114	WOOD	WHITE	I	W. FRAME	E-1			8.4	mg/cm ²	P
148	114	WOOD	WHITE	I	W. SILU	E-1			-0.2	mg/cm ²	N
149	114	WOOD	WHITE	I	W. FRAME	E-2			8.5	mg/cm ²	P
150	114	WOOD	WHITE	I	W. SILU	E-2			1.0	mg/cm ²	P
151	NE STAIR	WOOD	PINK	I	W. FRAME	E			8.2	mg/cm ²	P
152	NE STAIR	WOOD	PINK	I	W. SILU	E			-0.2	mg/cm ²	N
153	219	WOOD	OFFWHITE	I	WALL	E			-0.3	mg/cm ²	N
154	219	WOOD	BEIGE	I	W. FRAME	N			6.8	mg/cm ²	P
155	219	WOOD	BEIGE	I	W. SILU	N			-0.0	mg/cm ²	N
156	219	WOOD	BEIGE	I	W. FRAME	W			6.8	mg/cm ²	P
157	219	WOOD	BEIGE	I	W. SILU	W			-0.1	mg/cm ²	N
158	219	WOOD	BEIGE	I	W. FRAME	N			-0.2	mg/cm ²	N
159	219	WOOD	BEIGE	I	W. FRAME	W			-0.5	mg/cm ²	N
160	219	WOOD	BEIGE	I	W. FRAME	S			-0.2	mg/cm ²	N

Paint Condition: I = Intact, F = Fair, P = Poor
 Classification: P = Positive, N = Negative

Unit # 1972 XRF Report No. — Building Name Old Courthouse Page: 9 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Arturo Confiado Inspector Name Arturo Confiado Signature [Signature]

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos, Neg)
						Wall	Top	Bottom			
161	219 VANIT	METAL	BROWN	F	POOR	E		8.4	mg/cm ²	P	
162	219 VANIT	METAL	BROWN	F	DOOR FRAME	E		9.1	mg/cm ²	P	
163	219 VANIT	METAL	GRAY	F	DOOR	W		6.8	mg/cm ²	P	
164	219 VANIT	METAL	GRAY	F	SWITCH	W		5.4	mg/cm ²	P	
165	219 VANIT	CONCRETE	BROWN	P	FLOOR	CENTER		0.4	mg/cm ²	N	
166	219 VANIT	CONCRETE	WHITE	I	WALL	N		-0.3	mg/cm ²	N	
167	219 VANIT	CONCRETE	WHITE	I	WALL	S		-0.2	mg/cm ²	N	
168	219	WOOD	BEIGE	I	W. FRAME	N-2		6.5	mg/cm ²	P	
169	219	WOOD	BEIGE	I	W. SILL	N-2		-0.1	mg/cm ²	N	
170	219	WOOD	DK BROWN	I	DOOR	W		-0.2	mg/cm ²	N	
171	219	WOOD	BEIGE	I	P. FRAME	W		-0.3	mg/cm ²	N	
172	223	WOOD	DK BROWN	I	DOOR	W		-0.3	mg/cm ²	N	
173	223	WOOD	BEIGE	I	P. FRAME	W		-0.3	mg/cm ²	N	
174	223/219 STORAGE	PLASTER	LT GREEN	F	WALL	S		0.0	mg/cm ²	N	
175	223/219	PLASTER	CROWN	I	WALL	E		-0.1	mg/cm ²	N	
176	223/219	WOOD	BEIGE	I	W. FRAME	N		6.8	mg/cm ²	P	
177	223/219	WOOD	BEIGE	I	W. SILL	N		1.0	mg/cm ²	P	
178	223/219	WOOD	BEIGE	I	BASEBOARD	W		-0.2	mg/cm ²	N	
179	223	WOOD	WHITE	I	DOOR FRAME	S		-0.3	mg/cm ²	N	
180	223	WOOD	WHITE	I	BASEBOARD	N		-0.1	mg/cm ²	N	

Paint Condition: I = Intact, F = Fair, P = Poor
 Classification: P = Positive, N = Negative

Unit # 1972 XRF Report No. — Building Name Old Courthouse Page: 10 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: _____ Inspector Name Arturo Confiado Signature 

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos/Neg)
						Wall/A,B,C,D	Left/Right/Center	Top/Middle/Bottom			
181	223	WOOD	WHITE	I	W. FRAME	N			7.9	mg/cm ²	P
182	223	WOOD	WHITE	I	W. SILL	N			-0.0	mg/cm ²	N
183	LIBRARY	PLASTER	CREAM	I	WALL	S			-0.5	mg/cm ²	N
184	LIBRARY	WOOD	PURPLE	I	P. FRAME	S			-0.2	mg/cm ²	N
185	LIBRARY	WOOD	PURPLE	I	W. FRAME	N-1			7.8	mg/cm ²	P
186	LIBRARY	WOOD	PURPLE	I	V. SILL	N-1			-0.3	mg/cm ²	N
187	LIBRARY	WOOD	PURPLE	I	W. FRAME	N-2			8.5	mg/cm ²	P
188	LIBRARY	WOOD	PURPLE	I	W. SILL	N-2			-0.3	mg/cm ²	N
189	LIBRARY	WOOD	PURPLE	I	BASEBOARD	N			-0.1	mg/cm ²	N
190	JUDGE OFC 2	WOOD	PURPLE	I	P. FRAME	S			-0.1	mg/cm ²	N
191	JUDGE OFC 2	WOOD	PURPLE	I	BASEBOARD	W			-0.4	mg/cm ²	N
192	JUDGE OFC 2	WOOD	PURPLE	I	W. FRAME	N			6.0	mg/cm ²	P
193	JUDGE OFC 2	WOOD	PURPLE	I	W. SILL	N			-0.1	mg/cm ²	N
194	JUDGE OFC 1	WOOD	PURPLE	I	W. FRAME	N			6.3	mg/cm ²	P
195	JUDGE OFC 1	WOOD	PURPLE	I	W. SILL	N			-0.3	mg/cm ²	N
196	JUDGE OFC 1	WOOD	PURPLE	I	W. FRAME	E			8.0	mg/cm ²	P
197	JUDGE OFC 1	WOOD	PURPLE	I	W. SILL	E			-0.3	mg/cm ²	N
198	JUDGE RECEPTION	WOOD	DK. BROWN	I	DOOR	N			-0.1	mg/cm ²	N
199	JUDGE RECEPTION	WOOD	TAN	I	D. FRAME	N			-0.7	mg/cm ²	N
200	JUDGE RECEPTION	PLASTER	WHITE	I	WALL	E			-0.2	mg/cm ²	N

Paint Condition: I = Intact, F = Fair, P = Poor
 Classification: P = Positive, N = Negative

Unit # 1972 XRF Report No. — Building Name Old Courthouse Page: 11 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: — Inspector Name Arturo Confiado Signature [Signature]

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos/Neg)
						Wall A,B,C,D	Left/Right/Center	Top/Middle/Bottom			
201	JUDGE OFF RESTROOM	WOOD	TAN	I	W. FRAME	E		5.8	mg/cm ²	P	
202	JUDGE RESTROOM	WOOD	TAN	I	W. SILL	E		0.2	mg/cm ²	N	
203	N. HALL	PLASTER	PINK	I	WALL	N		0.6	mg/cm ²	N	
204	N. HALL	PLASTER	PINK	I	WALL	S		0.2	mg/cm ²	N	
205	JURY ROOM	WOOD	WHITE	I	W. FRAME	E		7.4	mg/cm ²	P	
206	JURY ROOM	WOOD	WHITE	I	W. SILL	E		0.3	mg/cm ²	N	
207	JURY ROOM	WOOD	WHITE	I	FRONTBOARD	E		0.2	mg/cm ²	N	
208	JURY RM. MEN'S	WOOD	WHITE	I	W. FRAME	E		0.2	mg/cm ²	N	
209	JURY RM. MEN'S	WOOD	WHITE	I	W. SILL	E		0.3	mg/cm ²	N	
210	CO. CONFERENCE	PLYWOOD	WHITE	I	WALL	E		0.5	mg/cm ²	N	
211	CO. CONFERENCE	PLYWOOD	WHITE	I	WALL	S		0.3	mg/cm ²	N	
212	CO. CONFERENCE	PLYWOOD	WHITE	I	WALL	N		0.3	mg/cm ²	N	
213	CO. CONFERENCE	PLYWOOD	WHITE	I	WALL	W		0.2	mg/cm ²	N	
214	CO. CONFERENCE	WOOD	WHITE	I	W. FRAME	S-1		0.6	mg/cm ²	N	
215	CO. CONFERENCE	WOOD	WHITE	I	W. SILL	S-1		0.1	mg/cm ²	N	
216	NW STAIR	WOOD	PINK	I	W. FRAME	E		79.9	mg/cm ²	P	
217	NW STAIR	WOOD	PINK	I	W. SILL	E		0.1	mg/cm ²	N	
218	221	WOOD	PAIGE	I	W. FRAME	W-1		6.0	mg/cm ²	P	
219	221	WOOD	PAIGE	I	W. SILL	W-1		0.0	mg/cm ²	N	
220	221	WOOD	PAIGE	I	W. FRAME	W-2		7.1	mg/cm ²	P	

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Unit # 1972 XRF Report No. — Building Name Old Courthouse Page: 14 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature [Signature]

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos./Neg)
						Wall	Top	Bottom			
261	222-CAFET RETL	WOOD	LT. GREEN	I	W. FRAME	S			-0.1	mg/cm ²	N
262	222-COUNT ELEC	WOOD	LT. GREEN	I	W. SILL	S			-0.1	mg/cm ²	N
263	222-PUBLIC DFRONT	WOOD	LT. GREEN	I	W. FRAME	S			-0.1	mg/cm ²	N
264	222-PUBLIC DEF	WOOD	LT. GREEN	I	W. SILL	S			-0.1	mg/cm ²	N
265	HOLDING	CONCRETE	BEIGE	I	WALL	S			-0.1	mg/cm ²	N
266	HOLDING	CONCRETE	BEIGE	I	WALL	W			-0.2	mg/cm ²	N
267	HOLDING	METAL	PAINT	I	DOOR	N			-0.1	mg/cm ²	N
268	HOLDING	METAL	PAINT	I	DOOR	N			-0.1	mg/cm ²	N
269	HOLDING	METAL	PAINT	F	WALL	N			-0.2	mg/cm ²	N
270	HOLDING	METAL	BEIGE	F	WALL	N			-0.2	mg/cm ²	N
271	238	CONCRETE	BEIGE	I	WALL	E			-0.6	mg/cm ²	N
272	238	CONCRETE	BEIGE	I	WALL	S			-0.4	mg/cm ²	W
273	238	CONCRETE	BEIGE	I	WALL	W			-0.2	mg/cm ²	N
274	238	CONCRETE	BEIGE	I	WALL	N			-0.2	mg/cm ²	N
275	238	WOOD	BEIGE	I	W. FRAME	S			-0.5	mg/cm ²	N
276	238	WOOD	PAINT	I	W. SILL	S			-0.2	mg/cm ²	N
277	238	WALL	BEIGE	I	W. FRAME	W			0.0	mg/cm ²	N
278	238	WALL	BEIGE	I	W. SILL	W			-0.2	mg/cm ²	N
279	238 UNINT	METAL	BEIGE	F	DOOR	E			-0.3	mg/cm ²	N
280	238 UNINT	METAL	BEIGE	F	D. FRAME	E			-0.1	mg/cm ²	N

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Unit #	1972	XRF Report No.	—	Building Name	Old Courthouse	Page:	15	of	18		
Client	Flagler County Engineering Department		Project Number	0940.0900009.0000		Date	February 12, 2009				
Project Name	Old Courthouse Facility		Project Location	201 E. Moody Blvd., Bunnell, FL		XRF Model No.	RMD LPA-1				
Notes/Comments:			Inspector Name	Arturo Confiado						Signature	

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos, Neg)
						Wall A, B, C, D	Left, Right, Center	Top, Middle, Bottom			
281	5th STAIR	CONCRETE	PINK	I	WALL	E			-0.2	mg/cm ²	N
282	5th STAIR	CONCRETE	PINK	I	WALL	W			-0.1	mg/cm ²	N
283	3rd FL - HALL	CONCRETE	BEIGE	I	WALL	N			-0.2	mg/cm ²	N
284	3rd FL - HALL	CONCRETE	BEIGE	I	WALL	S			-0.1	mg/cm ²	N
285	3rd FL - HALL	CONCRETE	BEIGE	I	WALL	W			-0.1	mg/cm ²	N
286	3rd FL - HALL	CONCRETE	BEIGE	I	WALL	E			-0.3	mg/cm ²	N
287	1st FL - HALL	WOOD	BEIGE	I	W - FRAME	W			-0.2	mg/cm ²	N
288	3rd FL - HALL	WOOD	BEIGE	I	W - SILL	W			-0.3	mg/cm ²	N
289	329	CONCRETE	BEIGE	I	WALL	N			-0.6	mg/cm ²	N
290	329	CONCRETE	BEIGE	I	WALL	E			-0.2	mg/cm ²	N
291	329	CONCRETE	BEIGE	I	WALL	W			-0.4	mg/cm ²	N
292	329	CONCRETE	BEIGE	I	WALL	S			-0.0	mg/cm ²	N
293	329	WOOD	GREEN	I	W - FRAME	N			-0.2	mg/cm ²	N
294	329	WOOD	GREEN	I	W - SILL	N			-0.3	mg/cm ²	N
295	329	METAL	BROWN	I	DOOR	E			-0.5	mg/cm ²	N
296	329	METAL	BROWN	I	DOOR	E			-0.5	mg/cm ²	N
297	329	WOOD	BLACK	I	DOOR	N			-0.8	mg/cm ²	N
298	329	WOOD	BLACK	I	W - FRAME	N			-0.5	mg/cm ²	N
299	318	CONCRETE	CREAM	I	WALL	N			-0.3	mg/cm ²	N
300	318	CONCRETE	CREAM	I	WALL	E			-0.2	mg/cm ²	N

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Unit # 1972 XRF Report No. Building Name Old Courthouse Page: 16 of 18
 Client Flagler County Engineering Department Project Number 0940.0900009.0000 Date February 12, 2009
 Project Name Old Courthouse Facility Project Location 201 E. Moody Blvd., Bunnell, FL XRF Model No. RMD LPA-1
 Notes/Comments: Inspector Name Arturo Confiado Signature *[Signature]*

Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location			XRF Reading	Units	Classification (Pos./Neg)
						Wall A,B,C,D	Left, Right, Center	Top, Middle, Bottom			
301	318	CONCRETE	CHESTNUT	I	WALL	S			-0.2	mg/cm ²	N
302	318	CONCRETE	CHESTNUT	I	WALL	W			-0.1	mg/cm ²	N
303	318	METAL	BLACK	I	DOOR	E			-0.5	mg/cm ²	N
304	318	METAL	BLACK	I	W. FRAME	E			-0.6	mg/cm ²	N
305	312	CONCRETE	PAIGE	I	WALL	E			-0.4	mg/cm ²	N
306	312	CONCRETE	PAIGE	I	WALL	S			-0.3	mg/cm ²	N
307	312	CONCRETE	PAIGE	I	WALL	N			-0.2	mg/cm ²	N
308	312	WOOD	PAIGE	I	W. FRAME	S-1			-0.2	mg/cm ²	N
309	312	WOOD	PAIGE	I	W. SILL	S-1			-0.3	mg/cm ²	N
310	312	WOOD	PAIGE	I	W. FRAME	S-2			-0.1	mg/cm ²	N
311	312	WOOD	PAIGE	I	W. SILL	S-2			-0.2	mg/cm ²	N
312	330/332	CONCRETE	LT BLUE	I	WALL	N			-0.2	mg/cm ²	N
313	330/332	CONCRETE	LT BLUE	I	WALL	W			-0.2	mg/cm ²	N
314	330/332	CONCRETE	LT BLUE	I	WALL	S			-0.1	mg/cm ²	N
315	330/332	BRICK	LT BLUE	I	WALL	E			-0.3	mg/cm ²	N
316	330/332	BRICK	LT BLUE	I	WALL	W	CENTON		-0.2	mg/cm ²	N
317	330/332	BRICK	LT BLUE	I	WALL	N	CENTON		-0.3	mg/cm ²	N
318	330/332	BRICK	LT BLUE	I	WALL	E	CENTON		-0.5	mg/cm ²	N
319	330/332	BRICK	LT BLUE	I	WALL	S	CENTON		-0.6	mg/cm ²	N
320	330/332	METAL	BLACK	I	DOOR	W			-0.3	mg/cm ²	N

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5561 Florida Mining Boulevard South, Jacksonville, Florida 32257 • 904-296-0757 • Fax 904-296-0748
Universal Engineering Sciences, Inc.
XRF LEAD-BASED PAINT INSPECTION FORM

Unit #	1972	XRF Report No.	—	Building Name	Old Courthouse	Page:	18	of	18			
Client	Flagler County Engineering Department	Project Number	0940.0900009.0000	Project Location	201 E. Moody Blvd., Bunnell, FL	Date	February 12, 2009	XRF Model No. RMD LPA-1				
Project Name	Old Courthouse Facility	Inspector Name	Arturo Confiado	Signature	<i>[Signature]</i>							
Notes/Comments:												
Reading Number	Room Number/Name	Substrate	Color	Paint Condition	Component	Test Location Wall/A/B/C/D - Left/Right/Center	Top	Middle	Bottom	XRF Reading	Units	Classification (Pos./Neg)
341	EXTENSION	CONCRETE	BLUE	P	PAVING-STRIPS	S				0.2	mg/cm ²	N
342	EXTENSION	CONCRETE	BLUE	P	PAVING-STRIPS	S				0.0	mg/cm ²	N
343	EXTENSION	CONCRETE	WHITE	P	PAVING-STRIPS	S				0.0	mg/cm ²	N
344	EXTENSION	CONCRETE	WHITE	P	PAVING-STRIPS	S				0.1	mg/cm ²	N
5											mg/cm ²	
6											mg/cm ²	
7											mg/cm ²	
8											mg/cm ²	
9											mg/cm ²	
0											mg/cm ²	
1											mg/cm ²	
2											mg/cm ²	
3											mg/cm ²	
4											mg/cm ²	
5											mg/cm ²	
6											mg/cm ²	
7											mg/cm ²	
8											mg/cm ²	
9											mg/cm ²	
0											mg/cm ²	

Paint Condition: I = Intact, F = Fair, P = Poor
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APPENDIX C
QUALIFICATIONS



UNIVERSAL ENGINEERING SCIENCES, INC.

Threshold / Private Provider Inspection and Plan Review
Construction Materials Testing • Geophysical Services
Environmental Sciences • Geotechnical Engineering

Biographical Data

ARTURO R. CONFIADO, III

Environmental Scientist

Expertise Environmental Site Assessments (ESAs); Asbestos Surveys; Lead-Based Paint Evaluations; Property Condition Assessments (PCAs); Soil and Groundwater Sampling and Analysis

Academic Background B.S., Environmental Management, University of Florida, 2002

Certifications OSHA 40-Hour HAZWOPER Training
State of Florida Accredited Asbestos Inspector
State of Florida Accredited Lead-Based Paint Inspector
State of Georgia Accredited Lead-Based Paint Inspector

Experience Mr. Confiado has four years of experience in the private environmental field and two and a half years experience in the public sector. Mr. Confiado previously assisted the USDA as laboratory technician in the continuous inspection of bulk produced citrus juices and products in Lake Wales, Florida. He then served as environmental specialist for the Florida Department of Health (FDOH) Duval County Unit performing regulatory work in all areas of the Onsite Sewage Treatment and Disposal Systems (OSTDS) Program, including OSTDS permitting, site/soil evaluations, OSTDS construction inspections, investigating sanitary nuisance complaints, and annual compliance inspections of industrial/manufacturing zoned properties. Mr. Confiado is currently serving as environmental scientist conducting Phase I and Phase II ESAs, Transaction Screening Processes (TSPs), National Environmental Policy Act (NEPA) Reports, PCAs, site/contamination assessments, environmental sampling and analysis reports, small-scale remedial activities, asbestos and lead-based paint surveys.

Years with Universal 4 (2004)

Years with Other Firms 2.5

UES Office Jacksonville, Florida

Related Projects ■ **Phase I ESA, Sneads, Jackson County, Florida.**
Mr. Confiado served as Environmental Scientist and Project Manager for this undeveloped parcel consisting of approximately 912 acres. The Phase I ESA was conducted in accordance with American Society for Testing and Materials (ASTM) Format E1527-00. No evidence of recognized environmental conditions (RECs) was identified within the ASTM minimum search distances for leaking underground storage tanks (LUSTs).

- **Phase II ESA, 632 Blanding Boulevard, Orange Park, Clay County, Florida.**
Mr. Confiado served as Environmental Scientist and Project Manager for this undeveloped parcel. The purpose of this assessment was to evaluate the identified RECs as described in a Phase I ESA conducted previously. The Phase II ESA (subsurface soil and/or groundwater quality assessment) conducted within the limits of the subject property did not detect petroleum product and/or hazardous waste constituents above laboratory detection limits and/or state cleanup target levels in the soil and groundwater samples analyzed. Based on the results of this Phase II ESA, further assessment was not recommended.



Biographical Data

- **NEPA Report, Shepherd of the Hills Church, Clermont, Lake County, Florida.**
Mr. Confiado served as Environmental Scientist and Project Manager for this report. The purpose of this assessment was to answer questions required by the FCC Compliance Summary Report. A telecommunications tower was proposed to be located on an undeveloped, leased parcel at the rear of the church. Based on the results of this report, further assessment as to the tower's cultural, historical, and ecological impacts was not recommended.
- **TSP, Fratelli's, St. Augustine, St. Johns County, Florida.**
Mr. Confiado served as Environmental Scientist and Project Manager for this facility. The purpose of this TSP was to obtain sufficient data to complete the Transaction Screen Questionnaire (TSQ) and was conducted in accordance with ASTM "Standard Practice for Environmental Site Assessments: Transaction Screening Process" (ASTM E 1528). A two-story facility existed on the subject property and was used as a casual dining restaurant. The vicinity was characterized by commercial properties and residential subdivisions. At the time of the evaluation, no evidence existed indicating the presence of USTs and/or hazardous material storage. The subject property was not listed on any of the State or Federal databases searched. Three off-site LUSTs were identified, but based on groundwater flow direction, physical separation distance, and/or current regulatory status, these facilities were not considered RECs. Based on the findings of this TSP, no evidence of RECs was identified in association with the subject property.
- **Lead-Based Paint Evaluation, Flagler College, St. Augustine, Florida.**
Mr. Confiado served as Environmental Scientist and Project Manager for this evaluation. The purpose of this evaluation was to identify lead-based paint (LBP) on interior and exterior painted surfaces of the art studios and mechanical room located onsite. The evaluation included visual observations and X-Ray Fluorescence (XRF) instrument readings. Typical building components from which readings were obtained included walls, doors, door frames, windows, window frames, structural supports and ceilings. Only building components with accessible painted surfaces were included in this evaluation. A total of seventy-five (75) XRF readings were performed. Forty-one (41) of the component coatings tested had XRF readings equal to or greater than the "positive" classification of 1.0 mg/cm². Therefore, LBP-related activities would fall under certain Environmental Protection Agency (EPA) and Occupational Safety and Health Administration (OSHA) regulations. Every painted component was accessible to the XRF instrument, therefore, no samples were collected for laboratory analysis.
- **Asbestos Survey, University Corners, Gainesville, Alachua County, Florida.**
Mr. Confiado served as Environmental Scientist and Project Manager for this survey. The purpose of this asbestos demolition survey was to identify asbestos-containing building materials (ACMs) in the former church and several strip malls on the northwest block of W University Avenue and NW 13th Street. The survey included a walk through of each building identifying suspect ACMs. These suspect ACMs were then categorized into homogeneous areas containing materials of the same type, age, visual appearance, texture, composition, etc. Random samples of each homogeneous area were then collected and sent under chain-of-custody protocol to an accredited laboratory for analysis. Based on the laboratory analysis, inspection of the building identified twenty-two (22) of one hundred thirty-eight (138) homogeneous building materials as containing asbestos. Building materials that were identified as containing one percent or greater of asbestos were classified as ACMs, and would be regulated under National Emission Standards for Hazardous Air Pollutants (NESHAP) and OSHA.



Biographical Data

ROBERT B. SPORT, C.I.A.Q.P.

Senior Project Manager

- Expertise** Asbestos and Lead-Based Paint Inspections, Management Planner, Project Monitor and Project Designer; Indoor Air Quality Assessment
- Academic Background** Bachelor of Arts, Geography, Carthage College, Kenosha, Wisconsin, 1990
- Certifications/ Training** Certified Indoor Air Quality Professional (CIAQP), 2001
EPA Certified Lead-Based Paint Inspector/Risk Assessor, 2001
EPA Certified Lead-Based Paint Supervisor, 2001
RMD LPA-1 Lead Inspection Instrument Certification, 2000
EPA Accredited Asbestos Contractor/Supervisor, 1992
EPA Accredited Asbestos Inspector, 1993
EPA Accredited Asbestos Inspector/Management Planner, 2002
EPA Accredited Asbestos Project Designer, 2002
NIOSH 582 Certified (582 Sampling and Evaluating Airborne Asbestos Dust Course), 1991
- Experience** Mr. Sport has over 17 years of experience in the environmental field as an environmental project manager and consultant. He has performed inspections for asbestos and lead based paint (LBP). He has provided abatement specifications for the removal of asbestos and LBP. He has overseen asbestos and LBP abatement projects. Mr. Sport has also performed various types of air monitoring for asbestos and lead, and for indoor air quality (IAQ) assessments. Mr. Sport has performed numerous Phase I Environmental Site Assessments.
- Related Projects** **Asbestos Consulting, Sea World Adventure Park, Orlando, Florida.** Mr. Sport performed the asbestos surveys of the Bayside Oasis Restaurant, Cruz Cay Harbor building, Tiki Bar, Hawaiian Beach Stage, Sky Tower Ticket Plaza, Chicken & Biscuit Restaurant and Luau Laser Booth of the major Waterfront Phase I Construction project. Asbestos was detected in the black felt (under the wood siding), black mastic on the foil wrapped fiberglass duct insulation and the white mastic on the pipe fittings in the Bayside Oasis building. Asbestos was detected in various non-friable roofing materials of the Chicken & Biscuit Restaurant. Asbestos was detected in the white mastic on the pipe fittings and tar shingle remains of the Sky Tower Ticket Plaza. Asbestos was detected in the joint compound and floor tile of the Cruz Cay Harbor building.
- Mr. Sport performed the asbestos project monitoring of the removal of all of the asbestos containing materials from the Waterfront Phase I Construction project. The project monitoring entailed Phase Contrast Microscopy (PCM) air sampling. The PCM air sampling consisted of inside containment and outside containment work-in-progress air samples, PCM final clearance air samples and PCM area air samples. The project monitoring entailed analysis of all of the PCM air samples in the UES in-house PCM laboratory, by Mr. Sport. The monitoring also entailed documentation of the results of the PCM air samples and a brief report summarizing the contractor's work practices.
- **Lead-Based Paint (LBP) Consulting, Sea World Adventure Park, Orlando, Florida.** Mr. Sport has performed LBP surveys in various buildings and structures in the park, including the Bayside Oasis building of the Waterfront Phase I Construction project.



Biographical Data

During the renovation of the Bayside Oasis building, a suspect lead-containing orange primer was discovered on the structural steel beams. The general contractor (GC) needed to weld additional supports to these structural steel beams that were coated with the suspect lead-containing orange primer. Mr. Sport arranged for meetings with the Sea World personnel and the on-site GC. Mr. Sport performed a lead inspection of the suspect lead-containing orange primer utilizing the portable analyzer. The XRF analysis indicated that the orange primer did contain lead. Mr. Sport's recommendation was for the GC to mark all the locations on the structural steel that needed to be stripped of the lead-containing orange primer and to have a licensed lead abatement contractor perform the abatement of the designated areas. Discovering the lead-containing orange primer and having the primer abated properly greatly reduced the liability to the client, Sea World, and protected the GC's personnel from potential lead exposure from welding to the structural steel beams.

- **Asbestos and Lead-Based Paint (LBP) Consulting, Palm Bay, Florida.** Mr. Sport performed pre-demolition asbestos surveys, performed collection of Lead Toxicity Characteristic Leaching Procedure (TCLP) samples and monitored the demolition of structures for the City of Palm Bay Building Department.
- **Lead-Based Paint (LBP) Survey, Kennedy Space Center, Fire Station No. 2 and SLF Vehicle Storage Facility, Brevard County, Florida.** The purpose of this study was to perform an evaluation of the above-referenced facilities for the presence of LBP. Mr. Sport reviewed available information concerning the buildings construction, significant renovations, types of construction, and information regarding the building's use. Mr. Sport performed walk-through inspections and observed accessible areas within the buildings to identify, locate, and assess suspect LBP; measured suspect LBP with a portable XRF Lead Paint Analyzer on all combinations of assessable painted, glazed, shellacked, and/or stained components.
- **Asbestos Abatement Monitoring Services, Orlando International Airport.** Mr. Sport has performed numerous asbestos-related projects for the Greater Orlando Airport Authority as well as private environmental consulting firms. Activities included asbestos site inspections, project monitoring and asbestos air monitoring.
- **Indoor Air Quality Assessment, Orange County Convention Center, Orlando, Florida.** Mr. Sport performed personal silica air monitoring, performed preliminary air quality parameter monitoring and performed respirable dust area monitoring throughout the Orange County Convention Center. The silica personal air monitoring was performed on the riggers during the installation of banners and signs. The comfort parameter monitoring consisted of measurements of temperature, relative humidity, carbon dioxide and carbon monoxide throughout the center. The respirable dust particulate area monitoring consisted of measuring airborne dust levels throughout the center for comparison to the Occupational Safety and Health Administration's (OSHA) permissible exposure level (PEL).
- **Indoor Air Quality Assessment, Orlando International Airport.** Mr. Sport performed respirable dust particulate monitoring during the major renovation project of Airsides 1 and 3. The respirable dust particulate area monitoring consisted of measuring airborne dust levels throughout the Airsides 1 and 3 for comparison to the Occupational Safety and Health Administration's (OSHA) permissible exposure level (PEL).

