



# **ASBESTOS CONTAINING BUILDING MATERIAL REPORT BUILDING 20**

**Bay Pines VA Medical Center  
10000 Bay Pines Boulevard  
Bay Pines, Florida**

Project No. 2009011.001

July 31, 2009



**Mabbett & Associates, Inc.  
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## ACKNOWLEDGMENT

This Asbestos Building Survey/Analytical Report was prepared for the Department of Veteran Affairs Medical Center, Bay Pines, Florida in anticipation of potential future building renovations and in accordance with an established scope of work as defined in Contract Number VA248-P-1114. The information presented herein is based on the facts and information conveyed to or received by M&A during the preparation of this report. If any of the information provided to M&A that was used in preparing this plan is incorrect, incomplete, or subject to change, M&A would wish to alter its opinion(s) accordingly. In addition, the professional opinions and information contained in this report are based solely on the requirements of the applicable regulations and technical data as known to M&A as of the date of this report and considered applicable to this report.

This report was prepared by the following Mabbett & Associates, Inc. personnel:



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Environmental Engineer



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## TABLE OF CONTENTS

Description	Page
1.0 INTRODUCTION & EXECUTIVE SUMMARY	1
2.0 BUILDING DESCRIPTION	1
3.0 SAMPLING METHODOLOGY	1
4.0 ANALYTICAL METHODOLOGY	2
5.0 SUMMARY OF ASBESTOS CONTAINING MATERIALS (ACM) FINDINGS	2
6.0 LIMITATIONS	4
7.0 CLOSING REMARKS	4

**Table**  
Table of ACM Results

**Photos**  
Photos of Positive Representative Samples

**Drawings**  
18" x 32" Floor Plan (with ACM survey information)

**Appendices/Back-up Data**

Appendix A	Laboratory Certifications/Asbestos Laboratory Analysis Reports
Appendix B	Inspector Field Data Sheets

## **1.0 INTRODUCTION & EXECUTIVE SUMMARY**

Mabbett and Associates, Inc. (M&A) with ECS Florida, LLC (ECS) as a sub-contractor performed a pre-renovation asbestos-containing materials (ACM) inspection survey of the VA Medical Center located at 10000 Bay Pines Boulevard, Bay Pines, Florida under contract VA248-P-1114. Site survey work was performed during June and July, 2009, by appropriately credentialed personnel as required. There were 77 samples collected during the course of the survey phase. Samples collected were analyzed by a certified laboratory for asbestos content by polarized light microscopy (PLM) using stop positive methodology. Materials consisting of multiple layers were analyzed separately. The results of the survey indicated the presence of asbestos in the building.

This building report consists of a summary of findings, floor plans indicating sample locations and findings information, detailed analytical findings for the specific surveyed building, photos of identified ACM positive homogenous samples; and Appendices/Back-up Data, including laboratory results and field data sheets.

## **2.0 BUILDING DESCRIPTION**

According to information provided by VAMC Bay Pines and observations made during the field survey, Building 20 was a 2-story Administration Building built in 1934-1935. Building 20 was approximately 20,913 square feet (ft<sup>2</sup>).

## **3.0 SAMPLING METHODOLOGY**

Samples of suspected ACM including floor tile, mastic, plaster, etc. were collected from accessible building locations according to the scope of work, Pinellas County Code Chapter 58, National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 and other applicable state and Federal guidelines. Bulk material sampling was conducted according to the following sampling plan:

### **a) Surfacing material:**

- (1) At least three bulk samples shall be collected from each homogeneous area that is 1,000 ft<sup>2</sup> or less.
- (2) At least five bulk samples shall be collected from each homogeneous area that is greater than 1,000 ft<sup>2</sup> but less than or equal to 5,000 ft<sup>2</sup>.
- (3) At least seven bulk samples shall be collected from each homogeneous area that is greater than 5,000 ft<sup>2</sup>.

### **(b) Thermal system insulation:**

- (1) At least three bulk samples from each homogeneous area of thermal system insulation
- (2) At least one bulk sample from each homogeneous area of patched area of thermal system insulation.
- (3) Sufficient samples from elbows and fittings to determine if it contains ACM.
- (4) Bulk samples were not collected from any homogeneous area where the accredited inspector determined that the thermal system insulation is fiberglass, foam glass, rubber, or other non-ACBM.

(c) Miscellaneous material:

- (1) At least one bulk sample shall be collected from each homogeneous area that is less than 100 ft<sup>2</sup>
- (2) At least three bulk samples shall be collected from each homogeneous area that is greater than 100 ft<sup>2</sup>

A visual screening inspection was conducted by Florida Licensed Asbestos Inspectors throughout the entire Building 20 to determine the locations of suspect ACM. Only areas that were accessible during the field work phase were inspected. Many offices, patient care areas, and other sensitive areas were not accessible by the survey teams. Any suspect ACM that may be present within the walls, above inaccessible hard ceilings, or in other inaccessible locations, that was not inspected should be assumed to contain asbestos if discovered during any renovation process or until otherwise verified.

#### **4.0 ANALYTICAL METHODOLOGY**

The bulk asbestos samples collected including available layers were analyzed by polarized light microscopy (PLM). Sampling results are summarized in the enclosed Building Results Table. The PLM analytical protocol requires each layer of the sample to be analyzed separately. The quantity of analyses will vary based on the number of layers in a sample and whether a "positive stop" is employed. Note: when one sample of a homogeneous area is positive, the remainder of the samples was not analyzed because the entire homogeneous area is considered positive, as indicated on the results tables and drawings.

Samples were submitted to EMSL Analytical, Inc., of Ann Arbor, MI for PLM analysis of bulk materials via EPA 600/R-93/116 Method. PLM analysis was conducted in conjunction with dispersion staining as outlined by 40 CFR 63, Subpart F dated January 1987. EMSL Analytical is accredited by the American Industrial Hygiene Association (AIHA) and participates in the National Voluntary Laboratory Accreditation Program (NVLAP License 101151-0). Copies of the laboratory accreditations are included in Appendix A.

For purposes of this report and consistent with county and Federal regulations, asbestos containing materials are any materials containing more than one percent (1%) asbestos as determined by PLM.

#### **5.0 SUMMARY OF ASBESTOS CONTAINING MATERIALS (ACM) FINDINGS**

A table with all available sample results for this building is enclosed with a summary of positive sample locations below. Where a sample was found positive, a representative photo of the material is provided in the Photos section of this report. Analytical results and Inspector Field Notes are provided in Appendix A and Appendix B respectively.

The CADD drawing for this building shows approximate asbestos sample locations and shortened sample numbers. The floor plan legend shows positive sample numbers and associated positive (stop positives) in blue on the drawing. Building areas containing ACM are shown on the drawing in red with markings to indicate the kind of material (e.g., floor tile).

## Summary of Positive ACM Samples

Sample#	Sample Location	ACM Location	Description of Material	Percent and Type of Asbestos	Condition	Estimated Quantity	NESHAP Category
32 Floor	100	Post Office	9" x 9" Light Brown Floor Tile	2% Chrysotile	Good	900 SF	I
32 Mastic	100	Post Office	Black Mastic	2% Chrysotile	Good	900 SF	I
44 Floor	2nd Floor Hallway	2nd Floor Hallway	9" x 9" Burgundy Floor Tile	7% Chrysotile	Good	1040 SF	I
47 Floor	2nd Floor Hallway	2nd Floor Hallway	9" x 9" Tan Floor Tile	5% Chrysotile	Good	1040 SF	I
47 Mastic	2nd Floor Hallway	2nd Floor Hallway	Black Mastic	3% Chrysotile	Good	1040 SF	I
50 Floor	200C	Conference Room	9" x 9" Green Floor Tile	6% Chrysotile	Good	440 SF	I
72	102	Auditorium	Pipefitting Insulation	15% Chrysotile	Good	150 LF	Friable
75	102	Auditorium	Pipe Insulation	20% Chrysotile	Good	150 LF	Friable

SF – Square Feet

LF – Linear Feet

Category I – non-friable asbestos-containing material (ACM) – means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR part 763, Section 1, Polarized Light Microscopy.

Category II – non-friable ACM – means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos as determined using the methods specified in Appendix A, Subpart F, 40 CFR part 763, Section I, Polarized Light Microscopy that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Friable asbestos material – means any material containing more than 1 percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR part 763 Section I, Polarized Light Microscopy, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

## **6.0 LIMITATIONS**

This inspection report is the result of a diligent search of the building for asbestos containing building materials. The purpose of this inspection was to identify ACM. Only materials that were accessible were sampled and submitted to the laboratory for asbestos analysis. However comprehensive this inspection appears, it does not claim to have identified all of the asbestos-containing materials present in the facility. M&A's evaluation was performed with limitations inherent to visual inspections. M&A has conducted this assessment with reasonable care and has performed this study within general industry standards. As with any study of this nature, limitations are inherent. There can be no assurances, and M&A makes no assurances, that the said information, research, and technology may not change in the future, thus affecting the services provided. M&A understands that you will be the sole recipient of our report and will not distribute the report to any other party without prior written approval.

## **7.0 CLOSING REMARKS**

The VAMC should assume materials not previously sampled due to accessibility, etc. which will be impacted by any future renovation activities to be asbestos-containing materials unless proved otherwise. Only Florida Licensed Asbestos Consultants can state that a building material is presumed to be asbestos-containing. If asbestos-containing materials must be disturbed as a part of the renovations, all ACMs must be removed by a State of Florida licensed asbestos abatement contractor. If proposed renovations will not disturb asbestos-containing materials, continuous monitoring of ACMs should be conducted throughout renovation activities to ensure the ACMs remain in an intact condition. Additionally, prior to commencing renovations, all contractors involved with the renovations should be made aware of the location and quantity of ACM within the building in which they will be working.

If any asbestos-containing material is damaged or becomes damaged it should be repaired, if possible, or removed entirely.

Prior to initiating any renovation or demolition project, Federal Law requires that the local EPA representative's office be notified in writing at least 10 working days prior to the onset of the project. The State Asbestos Coordinator's Office also requires a copy of the notification (address to State Asbestos Coordinator, State of Florida Environmental Regulation, 2600 Blare Stone Road, Tallahassee, Florida 32399-2400).

## TABLE

Asbestos Screening Results  
VA Medical Center - Bay Pines, FL

Building 20

Sample #	Room #	Area Designation	Description of Material	Asbestos % Type	Estimated Quantity	Location	Condition	NESHAP Category
20SJM 1 Floor	100	Auditorium	Floor Leveling Compound	NAD				
20SJM 2 Floor	100	Auditorium	Floor Leveling Compound	NAD				
20SJM 3 Floor	100	Auditorium	Floor Leveling Compound	NAD				
20SJM 1 Mastic	100	Auditorium	Floor Leveling Compound	NAD				
20SJM 2 Mastic	100	Auditorium	Floor Leveling Compound	NAD				
20SJM 3 Mastic	100	Auditorium	Floor Leveling Compound	NAD				
20SJM 4	100A	Auditorium	Pipe Insulation Wrap	NAD				
20SJM 5	100A	Auditorium	Pipe Insulation Wrap	NAD				
20SJM 6	100A	Auditorium	Pipe Insulation Wrap	NAD				
20SJM 7	100	Auditorium	Drywall	NAD				
20SJM 8 Drywall	100	Auditorium	Drywall	NAD				
20SJM 9	100	Auditorium	Drywall	NAD				
20SJM 8 Joint Comp.	100	Auditorium	Joint Compound	NAD				
20SJM 10	100	Auditorium	Joint Compound	NAD				
20SJM 11	100	Auditorium	Joint Compound	NAD				
20SJM 12	100	Auditorium	Joint Compound	NAD				
20SJM 13	100	Auditorium	2'x2' Off White Ceiling Tile	NAD				
20SJM 14	100	Auditorium	2'x2' Off White Ceiling Tile	NAD				
20SJM 15	100	Auditorium	2'x2' Off White Ceiling Tile	NAD				
20SJM 16 Floor Tile	100	Auditorium	12" x 12" Tan Floor Tile	NAD				
20SJM 17 Floor Tile	100	Auditorium	12" x 12" Tan Floor Tile	NAD				
20SJM 18	100	Auditorium	12" x 12" Tan Floor Tile	NAD				
20SJM 16 Mastic	100	Auditorium	Yellow Mastic	NAD				
20SJM 17 Mastic	100	Auditorium	Yellow Mastic	NAD				
20SJM 18A*	100	Auditorium	Yellow Mastic	NAD				
20SJM 19	100	Auditorium	Textured Ceiling Plaster	NAD				
20SJM 20	100	Auditorium	Textured Ceiling Plaster	NAD				
20SJM 21	100	Auditorium	Textured Ceiling Plaster	NAD				
20SJM 22	100	Auditorium	Textured Ceiling Plaster	NAD				
20SJM 23	100	Auditorium	Textured Ceiling Plaster	NAD				
20SJM 24	100	Auditorium	Textured Ceiling Plaster	NAD				
20SJM 25	100	Auditorium	Textured Ceiling Plaster	NAD				
20SJM 26	104	Hallway	12" x 12" Accoustical Wall Tile	NAD				
20SJM 27	104	Hallway	12" x 12" Accoustical Wall Tile	NAD				
20SJM 28	104	Hallway	12" x 12" Accoustical Wall Tile	NAD				
20SJM 29 Floor	104	Hallway	12" x 12" White with Black Flecks Floor Tile	NAD				
20SJM 30 Floor	104	Hallway	12" x 12" White with Black Flecks Floor Tile	NAD				
20SJM 31 Floor	104	Hallway	12" x 12" White with Black Flecks Floor Tile	NAD				
20SJM 29 Mastic	104	Hallway	Tan Mastic	NAD				
20SJM 30 Mastic	105	Hallway	Tan Mastic	NAD				
20SJM 31 Mastic	104	Hallway	Tan Mastic	NAD				
20SJM 32 Floor	100	Post Office	9" x 9" Light Brown Floor Tile	2% Chrysotile	900 Square Feet	Post Office 100	Good	I
20SJM 33 Floor	100	Post Office	9" x 9" Light Brown Floor Tile	stop positive	900 Square Feet	Post Office 100	Good	I
20SJM 34 Floor	100	Post Office	9" x 9" Light Brown Floor Tile	stop positive	900 Square Feet	Post Office 100	Good	I
20SJM 32 Mastic	100	Post Office	Black Mastic	2% Chrysotile	900 Square Feet	Post Office 100	Good	I
20SJM 33 Mastic	100	Post Office	Black Mastic	stop positive	900 Square Feet	Post Office 100	Good	I
20SJM 34 Mastic	100	Post Office	Black Mastic	stop positive	900 Square Feet	Post Office 100	Good	I
20SJM 35 Floor	100	Post Office	12" x 12" Light Brown Floor Tile	0.50% Chrysotile <sup>(c,d)</sup>				
20SJM 36 Floor	100	Post Office	12" x 12" Light Brown Floor Tile	0.25% Chrysotile <sup>(c,d)</sup>				
20SJM 37 Floor	100	Post Office	12" x 12" Light Brown Floor Tile	0.25% Chrysotile <sup>(c,d)</sup>				
20SJM 35 Mastic	100	Post Office	Black Mastic	NAD				
20SJM 36 Mastic	100	Post Office	Black Mastic	NAD				
20SJM 37 Mastic	100	Post Office	Black Mastic	NAD				
20SJM 38	100	Postal Service Area	2' x 2' Pinhole Ceiling Tile	NAD				
20SJM 39	100	Postal Service Area	2' x 2' Pinhole Ceiling Tile	NAD				

Asbestos Screening Results  
VA Medical Center - Bay Pines, FL

Building 20

Sample #	Room #	Area Designation	Description of Material	Asbestos % Type	Estimated Quantity	Location	Condition	NESHAP Category
20SJM 40	100	Postal Service Area	2' x 2' Pinhole Ceiling Tile	NAD				
20SJM 41	110	HAC	Terrazzo Flooring	NAD				
20SJM 42	110	HAC	Terrazzo Flooring	NAD				
20SJM 43	110	HAC	Terrazzo Flooring	NAD				
20SJM 44 Floor		2nd Floor Hallway	9" x 9" Burgundy Floor Tile	7% Chrysotile	1040 Square Feet	2nd Floor Hallway	Good	I
20SJM 45 Floor		2nd Floor Hallway	9" x 9" Burgundy Floor Tile	stop positive	1040 Square Feet	2nd Floor Hallway	Good	I
20SJM 46 Floor		2nd Floor Hallway	9" x 9" Burgundy Floor Tile	stop positive	1040 Square Feet	2nd Floor Hallway	Good	I
20SJM 44 Mastic		2nd Floor Hallway	Black Mastic	NAD				
20SJM 45 Mastic		2nd Floor Hallway	Black Mastic	NAD				
20SJM 46 Mastic		2nd Floor Hallway	Black Mastic	<0.25% Chrysotile <sup>(c,d)</sup>				
20SJM 47 Floor		2nd Floor Hallway	9" x 9" Tan Floor Tile	5% Chrysotile	1040 Square Feet	2nd Floor Hallway	Good	I
20SJM 48 Floor		2nd Floor Hallway	9" x 9" Tan Floor Tile	stop positive	1040 Square Feet	2nd Floor Hallway	Good	I
20SJM 49 Floor		2nd Floor Hallway	9" x 9" Tan Floor Tile	stop positive	1040 Square Feet	2nd Floor Hallway	Good	I
20SJM 47 Mastic		2nd Floor Hallway	Black Mastic	3% Chrysotile	1040 Square Feet	2nd Floor Hallway	Good	I
20SJM 48 Mastic		2nd Floor Hallway	Black Mastic	stop positive	1040 Square Feet	2nd Floor Hallway	Good	I
20SJM 49 Mastic		2nd Floor Hallway	Black Mastic	stop positive	1040 Square Feet	2nd Floor Hallway	Good	I
20SJM 50 Floor	200C	Conference Room	9" x 9" Green Floor Tile	6% Chrysotile	440 Square Feet	Conference Room 200C	Good	I
20SJM 51 Floor	200C	Conference Room	9" x 9" Green Floor Tile	stop positive	440 Square Feet	Conference Room 200C	Good	I
20SJM 52 Floor	200C	Conference Room	9" x 9" Green Floor Tile	stop positive	440 Square Feet	Conference Room 200C	Good	I
20SJM 50 Mastic	200C	Conference Room	Tan Mastic	NAD				
20SJM 51 Mastic	200C	Conference Room	Tan Mastic	NAD				
20SJM 52 Mastic	200C	Conference Room	Tan Mastic	NAD				
20SJM 53	200	Seceretary	Brown Residual Ceiling Tile Mastic	NAD				
20SJM 54	200	Seceretary	Brown Residual Ceiling Tile Mastic	NAD				
20SJM 55	200	Seceretary	Brown Residual Ceiling Tile Mastic	NAD				
20SJM 56	200C	Conference Room	Tan Baseboard Mastic	NAD				
20SJM 57		2nd floor hallway	Tan Baseboard Mastic	NAD				
20SJM 58		2nd floor hallway	Tan Baseboard Mastic	NAD				
20SJM 59		Exterior	Tan Stucco	NAD				
20SJM 60		Exterior	Tan Stucco	NAD				
20SJM 61		Exterior	Tan Stucco	NAD				
20SJM 62		Exterior	Tan Stucco	NAD				
20SJM 63		Exterior	Tan Stucco	NAD				
20SJM 64		Exterior	Tan Stucco	NAD				
20SJM 65		Exterior	Tan Stucco	NAD				
20SJM 66		Crawl space	Fiberglass Pipe Insulation Bridging	NAD				
20SJM 67		Crawl space	Fiberglass Pipe Insulation Bridging	NAD				
20SJM 68		Crawl space	Fiberglass Pipe Insulation Bridging	NAD				
20SJM 69 Floor	102		12" x 12" White Floor Tile	NAD				
20SJM 70 Floor	102		12" x 12" White Floor Tile	NAD				
20SJM 71 Floor	102		12" x 12" White Floor Tile	NAD				
20SJM 69 Mastic	102		Yellow Mastic	NAD				
20SJM 70 Mastic	102		Yellow Mastic	NAD				
20SJM 71 Mastic	102		Yellow Mastic	NAD				
20SJM 72	102	Auditorium	Pipefitting Insulation	15% Chrysotile	150 Linear Feet	Auditorium 102	Good	Friable
20SJM 73	103	Auditorium	Pipefitting Insulation	stop positive	150 Linear Feet	Auditorium 102	Good	Friable
20SJM 74	103	Auditorium	Pipefitting Insulation	stop positive	150 Linear Feet	Auditorium 102	Good	Friable
20SJM 75	102	Auditorium	Pipe Insulation	20% Chrysotile	150 Linear Feet	Auditorium 102	Good	Friable
20SJM 76	103	Auditorium	Pipe Insulation	stop positive	150 Linear Feet	Auditorium 102	Good	Friable
20SJM 77	103	Auditorium	Pipe Insulation	stop positive	150 Linear Feet	Auditorium 102	Good	Friable

NOTES:

- a The asbestos concentration, reported as a percentage, represents analysis using polarized light microscopy (PLM), unless otherwise noted.
- b Sample contained > 1% asbestos based on PLM analysis. However, no asbestos detected using EPA Method 600/R-93/116 and quantitation using 400-point count method.
- c The asbestos concentration, reported as a percentage, represents analysis using EPA Method 600/R-93/116 and quantitation using 400-point count methodology.
- d Samples 20SJM-35, 36, 37 and 46 contained <1% chrysotile asbestos based on PLM analysis.
- Red Text Represents a sample and its respective homogeneous group ("stop positive") that is positive for asbestos
- NAD No asbestos detected
- N/A Analysis not applicable
- \* Resampled material analysis
- Roof was not accessible

## **PHOTOS**



**Building 20**  
**Sample 32 Floor – 9" x 9" Light Brown Floor Tile and Mastic**



**Building 20**  
**Sample 44 Floor - 9" x 9" Burgundy Floor Tile**  
**Sample 47 - 9" x 9" Tan Floor Tile and Mastic**

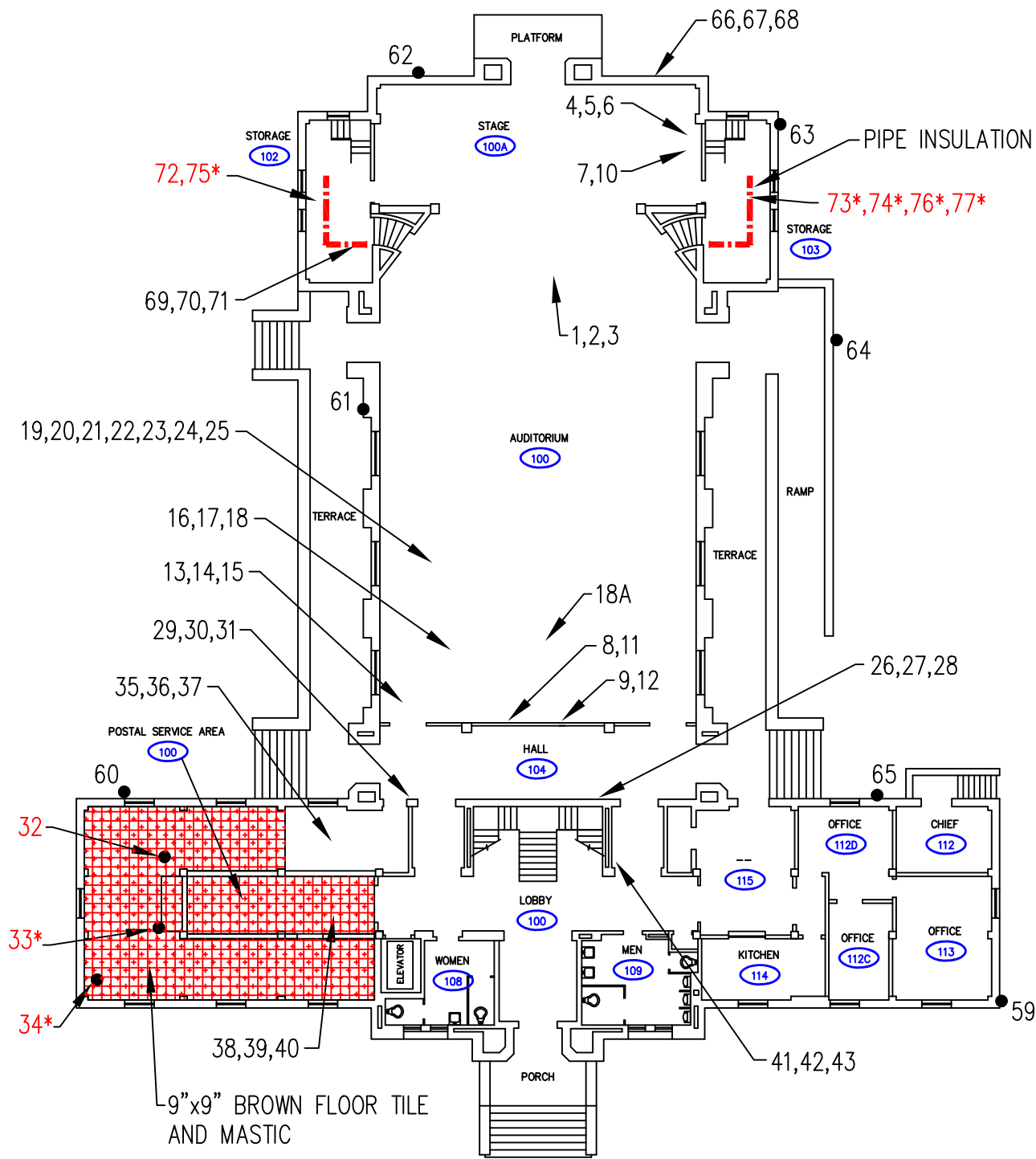


**Building 20**  
**Sample 50 Floor - 9" x 9" Green Floor Tile**



**Building 20**  
**Sample 72 – Pipefitting Insulation**  
**Sample 75 – Pipe Insulation**

## **DRAWINGS**



9"x9" GREEN FLOOR TILE

44,45\*,46\*

53,54,55

56

50,51\*,52\*

57

58

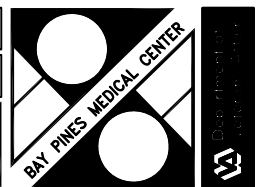
47,48\*,49\*

9"x9" BURGUNDY AND TAN FLOOR TILE AND MASTIC

SAMPLES (SRG-1, SRG-2, SRG-3, SRG-4, SRG-5, SRG-6, SRG-7, SRG-8, SRG-9)  
COLLECTED ON ROOF

- 1,2 APPROXIMATE SAMPLE LOCATION
- 25 SAMPLE GREATER THAN 1% ASBESTOS
- 25\* STOP POSITIVE SAMPLE FOR ASBESTOS
- 25 NO ASBESTOS DETECTED (NAD)
- HATCHED AREAS INDICATE POSITIVE DETECTION OF ASBESTOS CONTAINING BUILDING COMPONENTS
- 9"x9" FLOOR TILE
- BLACK FLOORING MASTIC
- (TSI) THERMAL SYSTEM INSULATION

Drawing Title	Project Title	Date
FIRST & SECOND FLOOR PLAN	ACM SURVEY	JULY 31, 2009
SCALE: 1/8" = 1'-0"	Building Number	Checked
	20	RKM
	Drawn	DJA
	Location	DRAWING NO.
	V.A.M.C. BAY PINES, FLORIDA	1
		Dwg. 1 Of 1



**APPENDIX A**  
**LAB REPORTS**

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-6810 Fax: (734) 668-8532 Email: [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO:  
Received: 06/23/09 12:00 PM  
EMSL Order: 080901590

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: **24:3255 Bay Pines VA, Bay Pines FL. Bldg 20**

EMSL Proj:  
Analysis Date: 6/26/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-1 080901590-0001	Floor Leveling Compound	Gray/White Fibrous Layers: 1	2% Glass	98% Non-fibrous (other)	None Detected
20-SJM-1 080901590-0001A	Mastic	Yellow Fibrous Layers: 2	<1% Cellulose	100% Non-fibrous (other)	None Detected
20-SJM-2 080901590-0002	Floor Leveling Compound	Gray/White Fibrous Layers: 1	<1% Glass	100% Non-fibrous (other)	None Detected
20-SJM-2 080901590-0002A	Mastic	Yellow Fibrous Layers: 2	<1% Cellulose	100% Non-fibrous (other)	None Detected
20-SJM-3 080901590-0003	Floor Leveling Compound	White Non-Fibrous Layers: 1		100% Non-fibrous (other)	None Detected
20-SJM-3 080901590-0003A	Mastic	Tan Non-Fibrous Layers: 2		100% Non-fibrous (other)	None Detected
20-SJM-4 080901590-0004	Pipe Insulation Wrap	White/Black/Silver Fibrous Heterogeneous	10% Glass 5% Cellulose	85% Non-fibrous (other)	None Detected

Report Amended: 7/28/2009 4:28:44 PM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Location

**Analyst(s)**

Brian Walczak (18)

Orlando J. Ivey II (46)

Ericka Wagner (16)

Brian Walczak, Laboratory Manager  
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Ann Arbor 212 South Wagner Road, Ann Arbor MI NVLAP Lab Code 101048-4

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-6810 Fax: (734) 668-8532 Email: [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO:  
Received: 06/23/09 12:00 PM  
EMSL Order: 080901590

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: **24:3255 Bay Pines VA, Bay Pines FL. Bldg 20**

EMSL Proj:  
Analysis Date: 6/26/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-5 080901590-0005	Pipe Insulation Wrap	White/Black/Silver Fibrous Heterogeneous	30% Glass	70% Non-fibrous (other)	None Detected
20-SJM-6 080901590-0006	Pipe Insulation Wrap	Silver/White Fibrous Homogeneous	10% Cellulose <1% Glass	90% Non-fibrous (other)	None Detected
20-SJM-7 080901590-0007	Drywall	White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
20-SJM-8 080901590-0008	Joint Compound	White/Cream Fibrous Layers: 1		100% Non-fibrous (other)	None Detected
20-SJM-8 080901590-0008A	Drywall	Gray/Tan Fibrous Layers: 2	10% Cellulose	90% Non-fibrous (other)	None Detected
20-SJM-9 080901590-0009	Drywall	Gray Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
20-SJM-10 080901590-0010	Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

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EMSL Proj:  
Analysis Date: 6/26/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-11 080901590-0011	Joint Compound	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-SJM-12 080901590-0012	Joint Compound	White Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected
20-SJM-13 080901590-0013	Ceiling Tile	Gray Fibrous Homogeneous	45% Glass 20% Cellulose	35% Non-fibrous (other)	None Detected
20-SJM-14 080901590-0014	Ceiling Tile	Gray Fibrous Homogeneous	40% Glass 15% Cellulose	45% Non-fibrous (other)	None Detected
20-SJM-15 080901590-0015	Ceiling Tile	White/Gray Fibrous Homogeneous	40% Cellulose 10% Glass	50% Non-fibrous (other)	None Detected
20-SJM-16 080901590-0016	Floor Tile	Brown Non-Fibrous Layers: 1		100% Non-fibrous (other)	None Detected
20-SJM-16 080901590-0016A	Mastic	Yellow Fibrous Layers: 2	<1% Cellulose	100% Non-fibrous (other)	None Detected

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### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-17 080901590-0017	Floor Tile	Brown Non-Fibrous Layers: 1		100% Non-fibrous (other)	None Detected
20-SJM-17 080901590-0017A	Mastic	Yellow Fibrous Layers: 2	<1% Cellulose	100% Non-fibrous (other)	None Detected
20-SJM-18 080901590-0018	Floor Tile	White/Gray Non-Fibrous Homogeneous No mastic		100% Non-fibrous (other)	None Detected
20-SJM-19 080901590-0019	Ceiling Plaster	Tan/Gray Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
20-SJM-20 080901590-0020	Ceiling Plaster	Tan/Gray Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
20-SJM-21 080901590-0021	Ceiling Plaster	Tan/Gray Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
20-SJM-22 080901590-0022	Ceiling Plaster	Tan/Gray Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

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### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-23 080901590-0023	Ceiling Plaster	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-SJM-24 080901590-0024	Ceiling Plaster	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-SJM-25 080901590-0025	Ceiling Plaster	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-SJM-26 080901590-0026	Wall Tile	Brown/White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
20-SJM-27 080901590-0027	Wall Tile	Brown/White Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (other)	None Detected
20-SJM-28 080901590-0028	Wall Tile	Brown/White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (other)	None Detected
20-SJM-29 080901590-0029	Floor Tile	White Non-Fibrous Layers: 1		100% Non-fibrous (other)	None Detected

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**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-29 080901590-0029A	Mastic	Tan Non-Fibrous Layers: 2		100% Non-fibrous (other)	None Detected
20-SJM-30 080901590-0030	Floor Tile	White Non-Fibrous Layers: 1		100% Non-fibrous (other)	None Detected
20-SJM-30 080901590-0030A	Mastic	Tan Non-Fibrous Layers: 2		100% Non-fibrous (other)	None Detected
20-SJM-31 080901590-0031	Floor Tile	Gray Non-Fibrous Layers: 1		100% Non-fibrous (other)	None Detected
20-SJM-31 080901590-0031A	Mastic	Tan Fibrous Layers: 2	10% Cellulose	90% Non-fibrous (other)	None Detected
20-SJM-32 080901590-0032	Floor Tile	Brown Fibrous Layers: 1		98% Non-fibrous (other)	2% Chrysotile
20-SJM-32 080901590-0032A	Mastic	Black Fibrous Layers: 2	3% Cellulose	95% Non-fibrous (other)	2% Chrysotile

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### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-33 080901590-0033	Floor Tile				Stop Positive (Not Analyzed)
20-SJM-33 080901590-0033A	Mastic				Stop Positive (Not Analyzed)
20-SJM-34 080901590-0034	Floor Tile				Stop Positive (Not Analyzed)
20-SJM-34 080901590-0034A	Mastic				Stop Positive (Not Analyzed)
20-SJM-35 080901590-0035	Floor Tile	Brown Fibrous Layers: 1		100% Non-fibrous (other)	<1% Chrysotile
20-SJM-35 080901590-0035A	Mastic	Tan Non-Fibrous Layers: 2		100% Non-fibrous (other)	None Detected
20-SJM-36 080901590-0036	Floor Tile	Brown Fibrous Layers: 1		100% Non-fibrous (other)	<1% Chrysotile

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### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-36 080901590-0036A	Mastic	Tan Non-Fibrous Layers: 2		100% Non-fibrous (other)	None Detected
20-SJM-37 080901590-0037	Floor Tile	Gray Fibrous Layers: 1		100% Non-fibrous (other)	<1% Chrysotile
20-SJM-37 080901590-0037A	Mastic	Tan Fibrous Layers: 2	3% Cellulose	97% Non-fibrous (other)	None Detected
20-SJM-38 080901590-0038	Ceiling Tile	White/Gray Fibrous Homogeneous	40% Cellulose 10% Glass	50% Non-fibrous (other)	None Detected
20-SJM-39 080901590-0039	Ceiling Tile	White/Gray Fibrous Homogeneous	35% Cellulose 15% Glass	50% Non-fibrous (other)	None Detected
20-SJM-40 080901590-0040	Ceiling Tile	Gray Fibrous Homogeneous	50% Cellulose 20% Glass	30% Non-fibrous (other)	None Detected
20-SJM-41 080901590-0041	Terrazo Flooring	Tan/Gray Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected

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### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-42 080901590-0042	Terrazo Flooring	Tan/Gray Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
20-SJM-43 080901590-0043	Terrazo Flooring	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-SJM-44 080901590-0044	Floor Tile	Purple Fibrous Layers: 1		93% Non-fibrous (other)	7% Chrysotile
20-SJM-44 080901590-0044A	Mastic	Black Non-Fibrous Layers: 2		100% Non-fibrous (other)	None Detected
20-SJM-45 080901590-0045	Floor Tile				Stop Positive (Not Analyzed)
20-SJM-45 080901590-0045A	Mastic	Black Non-Fibrous Layers: 2		100% Non-fibrous (other)	None Detected
20-SJM-46 080901590-0046	Floor Tile				Stop Positive (Not Analyzed)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-46 080901590-0046A	Mastic	Brown Fibrous Layers: 2		100% Non-fibrous (other)	<1% Chrysotile
Minimal amnt. of mastic present, possible contamination from tile.					
20-SJM-47 080901590-0047	Floor Tile	Tan Fibrous Layers: 1		95% Non-fibrous (other)	5% Chrysotile
20-SJM-47 080901590-0047A	Mastic	Black Fibrous Layers: 2	4% Cellulose	93% Non-fibrous (other)	3% Chrysotile
20-SJM-48 080901590-0048	Floor Tile				Stop Positive (Not Analyzed)
20-SJM-48 080901590-0048A	Mastic				Stop Positive (Not Analyzed)
20-SJM-49 080901590-0049	Floor Tile				Stop Positive (Not Analyzed)
20-SJM-49 080901590-0049A	Mastic				Stop Positive (Not Analyzed)

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-50 080901590-0050	Floor Tile	Green Fibrous Layers: 1		94% Non-fibrous (other)	6% Chrysotile
20-SJM-50 080901590-0050A	Mastic	Tan Non-Fibrous Layers: 2		100% Non-fibrous (other)	None Detected
20-SJM-51 080901590-0051	Floor Tile				Stop Positive (Not Analyzed)
20-SJM-51 080901590-0051A	Mastic	Tan Non-Fibrous Layers: 2		100% Non-fibrous (other)	None Detected
20-SJM-52 080901590-0052	Floor Tile				Stop Positive (Not Analyzed)
20-SJM-52 080901590-0052A	Mastic	Tan Fibrous Layers: 2	3% Cellulose	97% Non-fibrous (other)	None Detected
20-SJM-53 080901590-0053	Ceiling Tile Mastic	Brown Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-54 080901590-0054	Ceiling Tile Mastic	Brown Fibrous Homogeneous	6% Cellulose	94% Non-fibrous (other)	None Detected
20-SJM-55 080901590-0055	Ceiling Tile Mastic	Brown Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
20-SJM-56 080901590-0056	Baseboard Mastic	Tan Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	None Detected
20-SJM-57 080901590-0057	Baseboard Mastic	Tan Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
20-SJM-58 080901590-0058	Baseboard Mastic	Tan Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
20-SJM-59 080901590-0059	Stucco	Beige Fibrous Homogeneous	<1% Glass	100% Non-fibrous (other)	None Detected
20-SJM-60 080901590-0060	Stucco	Beige Fibrous Homogeneous	<1% Glass	100% Non-fibrous (other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-61 080901590-0061	Stucco	Beige Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-SJM-62 080901590-0062	Stucco	Beige Fibrous Homogeneous	<1% Cellulose <1% Glass	100% Non-fibrous (other)	None Detected
20-SJM-63 080901590-0063	Stucco	Tan Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20-SJM-64 080901590-0064	Stucco	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
20-SJM-65 080901590-0065	Stucco	Tan Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
20-SJM-66 080901590-0066	Pipe Insulation	Green/White Fibrous Homogeneous	70% Glass	30% Non-fibrous (other)	None Detected
20-SJM-67 080901590-0067	Pipe Insulation	Yellow/White Fibrous Homogeneous	75% Glass	25% Non-fibrous (other)	None Detected

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Brian Walczak, Laboratory Manager  
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Ann Arbor 212 South Wagner Road, Ann Arbor MI NVLAP Lab Code 101048-4



EMSL Analytical, Inc.

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-6810 Fax: (734) 668-8532 Email: [annarborlab@emsl.com](mailto:annarborlab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: **24:3255 Bay Pines VA, Bay Pines FL. Bldg 20**

Customer ID: ECSL77  
Customer PO:  
Received: 06/23/09 12:00 PM  
EMSL Order: 080901590  
EMSL Proj:  
Analysis Date: 6/26/2009

**Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized  
Light Microscopy**

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
20-SJM-68 080901590-0068	Pipe Insulation	White/Yellow Fibrous Homogeneous	50% Glass	50% Non-fibrous (other)	None Detected

Report Amended: 7/28/2009 4:28:44 PM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Location

Analyst(s)

Brian Walczak (18) Orlando J. Ivey II (46)  
Ericka Wagner (16)

Brian Walczak, Laboratory Manager  
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Ann Arbor 212 South Wagner Road, Ann Arbor MI NVLAP Lab Code 101048-4



# Asbestos Survey Field Data Sheet/ Chain of Custody Form

Lab Work Order ID:

080901590



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

EMSL ANALYTICAL, INC.  
5125 ADANSON STREET  
SUITE 900  
ORLANDO FL 32804

PHONE: (407) 599-5887

ECS Office Location: Orlando, FL  
(City, State of ECS Office)

Building 20 - Page 1 of 3

Report via: email fax reg. mail lab-connect  
(circle)

Project Name: Bay Pines VA

Sampled By: Steve Muscovits

Sample Date: 6-19-09

Project Location: Bay Pines, Florida

Project Manager: Bob McKinley

Rpt. Addressed to Jason Marberry

Building Number: 20

Project Number: 24:3255

Email@ for Rpt: jmarberry@ecslimited.com

Sample No.	Homogeneous Area	Sample Description	Quantity	Friable Y/N	Location	Accessibility/Potential for Damage
20 - STM - 1		Floor leveling compound			under carpet - auditorium	100
2		↓			↓	
3						
4		pipe insulation wrap			stage - auditorium	100A
5		↓			↓	
6						
7		drywall			auditorium	100
8		↓			↓	
9						
10		drywall joint compound				
11		↓			↓	
12						

Relinquished By: JW my

Date: 6/19/09

Received By: \_\_\_\_\_ Date: \_\_\_\_\_

Relinquished By: EW 10:15

Date: 6/24/09

Received By: \_\_\_\_\_ Date: \_\_\_\_\_

UPS



## Building 20 - Page 2 of 3

080901590

107 Haddon Avenue, Westmont, New Jersey 08108

1-800-220-3675

http://www.emsl.com

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME Air (L)	Area (Inches sq.)
20 - STM - 13	2'x2' ceiling tile - auditorium 100		
14	↓	↓	
15	↓	↓	
16	12"x12" tan FTEM - auditorium 100		
17	↓	↓	
18	↓	↓	
19	texture ceiling plaster - auditorium 100		
20	↓	↓	
21	↓	↓	
22	↓	↓	
23	↓	↓	
24	↓	↓	
25	↓	↓	
26	wall tile 12" acoustical - hall 104		
27	↓	↓	
28	↓	↓	
29	12"x12" white FTEM with black Hedges - hall 104		
30	↓	↓	
31	↓	↓	
32	9"x9" light brown FTEMastic - post office 100		
33	↓	↓	
34	↓	↓	
35	12" light brown FTEM - post office 100		
36	↓	↓	
37	↓	↓	
38	2' pinhole ceiling tile - postal service area 100		
39	↓	↓	
40	↓	↓	

Relinquished:

Received:

Relinquished:

Received:

Date:

Date:

Date:

Date:

Time:

Time:

Time:

Time:



Building 20 - Page 3 of 3

080901590

107 Haddon Avenue, Westmont, New Jersey 08108

1-800-220-3675

http://www.emsl.com

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	VOLUME Air (L)	Area (Inches sq.)
20 - SJM - 41	terrazzo flooring - HAC 110		
20 - SJM - 42	↓ ↓		
43	↓ ↓		
44	9" burgandy FT&M - 2 <sup>nd</sup> floor hall		
45	↓ ↓		
46	↓ ↓		
47	9" tan FT&M - 2 <sup>nd</sup> floor hall		
48	↓ ↓		
49	↓ ↓		
50	9" green FT&M - 2 <sup>nd</sup> floor conference room		
51	- 200C		
52	↓ - 200C		
53	brown residual ceiling tile mastic - secretary 200		
54	↓ ↓		
55	↓ ↓		
56	tan baseboard mastic - 2 <sup>nd</sup> floor conference room		
57	- 2 <sup>nd</sup> floor hall		
58	↓ - 2 <sup>nd</sup> floor hall		
20 - SJM 59	exterior stucco - exterior		
60	↓ ↓		
61	↓ ↓		
62	↓ ↓		
63	↓ ↓		
64	↓ ↓		
65	↓ ↓		
66	fiberglass pipe insulation <sup>bridge</sup> - crawl space		
67	↓ ↓		
68	↓ ↓		

Relinquished:

Received:

Relinquished:

Received:

Date:

Date:

Date:

Date:

Time:

Time:

Time:

Time:

**EMSL Analytical, Inc.**

2444 W. George Street, Chicago, IL 60618

Phone: (773) 313-0099 Fax: (773) 313-0139 Email: [chicagolab@emsl.com](mailto:chicagolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599 Phone: (407) 859-8378

Project: **24:3255 Bay Pines VA Building Number 20**

Customer ID: ECSSL77  
Customer PO: 24:3255  
Received: 06/25/09 10:00 AM  
EMSL Order: 260903499

EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20 SJM 69-Floor Tile 260903499-0001	12" White Floor Tile and Mastic; Room 102	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20 SJM 69-Mastic 260903499-0001A	12" White Floor Tile and Mastic; Room 102	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20 SJM 70-Floor Tile 260903499-0002	12" White Floor Tile and Mastic; Room 102	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20 SJM 70-Mastic 260903499-0002A	12" White Floor Tile and Mastic; Room 102	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20 SJM 71-Floor Tile 260903499-0003	12" White Floor Tile and Mastic; Room 102	White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20 SJM 71-Mastic 260903499-0003A	12" White Floor Tile and Mastic; Room 102	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
20 SJM 72 260903499-0004	Pipe Fitting Insulation; Room 102	White/Various Non-Fibrous Heterogeneous	75% Cellulose	10% Non-fibrous (other)	15% Chrysotile

Report Amended: 7/29/2009 3:27:37 PM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Location

Analyst(s)

Alice Hillegass (2)  
Michael Pohlmann (6)

Andrei Poluchowicz,  
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Chicago 2444 W. George Street, Chicago IL NVLAP Lab Code 200399-0, TX 300289

**EMSL Analytical, Inc.**

2444 W. George Street, Chicago, IL 60618

Phone: (773) 313-0099 Fax: (773) 313-0139 Email: [chicagolab@emsl.com](mailto:chicagolab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: **24:3255 Bay Pines VA Building Number 20**

Customer ID: EC SL77  
Customer PO: 24:3255  
Received: 06/25/09 10:00 AM  
EMSL Order: 260903499  
EMSL Proj: 24:3255/Bay Pines VA  
Analysis Date: 6/26/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20 SJM 73 260903499-0005	Pipe Fitting Insulation; Room 103				Stop Positive (Not Analyzed)
20 SJM 74 260903499-0006	Pipe Fitting Insulation; Room 103				Stop Positive (Not Analyzed)
20 SJM 75 260903499-0007	Pipe Insulation; Room 102	Brown/Tan Fibrous Heterogeneous	65% Cellulose	15% Non-fibrous (other)	20% Chrysotile
20 SJM 76 260903499-0008	Pipe Insulation; Room 103				Stop Positive (Not Analyzed)
20 SJM 77 260903499-0009	Pipe Insulation; Room 103				Stop Positive (Not Analyzed)

Changed sample locations/descriptions to reflect client COC.

Report Amended: 7/29/2009 3:27:37 PM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Location

Analyst(s)

Alice Hillegass (2)  
Michael Pohlmann (6)

Andrei Poluchowicz,  
or other approved signatory

Samples analyzed by EMSL Analytical, Inc. Chicago 2444 W. George Street, Chicago IL NVLAP Lab Code 200399-0, TX 300289



**EMSL Analytical, Inc.**

5125 Adanson Street, Suite 900, Orlando, FL 32804

Phone: (407) 599-5887 Fax: (407) 599-9063 Email: orlandolab@emsl.com

Attn: **Steve Geraci**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Fax: (407) 859-9599  
Project: Bay Pines VA 24:3255

Phone: (407) 859-8378

Customer ID: ECSL77  
Customer PO:  
Received: 07/14/09 12:26 PM  
EMSL Order: 340904417  
EMSL Proj:  
Analysis Date: 7/15/2009

### Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
102 SJM -69A 340904417-0043	Joint compound	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
102 SJM -70A 340904417-0044	Joint compound	White Non-Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
102 SJM -89A 340904417-0045	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose Insufficient mastic	94% Non-fibrous (other)	2% Chrysotile
102 SJM -90A 340904417-0046	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose Insufficient mastic	94% Non-fibrous (other)	2% Chrysotile
102 SJM -91A 340904417-0047	Floor Tile Mastic	Brown Non-Fibrous Heterogeneous	4% Cellulose Insufficient mastic	94% Non-fibrous (other)	2% Chrysotile
20-SJM -18A 340904417-0048	12x12 tan floor tiles	Yellow Non-Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Report Amended: 7/29/2009 10:04:55 AM Replaces the Initial Report . Reason Code: Data Entry Error-Change to Sample ID

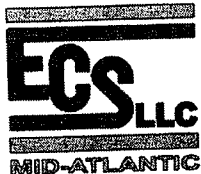
Analyst(s)

Randy Pruitt (84)

Blanca Cortes, Ph.D., Laboratory Manager  
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. The limit of detection as stated in the method is 1%. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Samples analyzed by EMSL Analytical, Inc. Orlando 5125 Adanson Street, Suite 900, Orlando FL NVLAP Lab Code 101151-0



# Asbestos Survey Field Data Sheet/ Chain of Custody Form

Lab Work Order ID:

21 Hour Turn Around



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

340904417  
EMSL ANALYTICAL, INC.  
5125 ADANSON STREET  
SUITE 900  
ORLANDO FL 32804  
PHONE: (407) 599-5887

ECS Office Location: Orlando, FL  
(City, State of ECS Office)

Report via: email fax reg. mail lab-connec.  
(circle) .

Project Name: Bay Pines VA

Sampled By: Steven Muskarits

Sample Date: 7/13/2009

Project Location: Bay Pines, FL

Project Manager: Jason Marberry

Rpt. Addressed to Steve Geraci  
sgeraci@ecslimited.com

Building Number: \_\_\_\_\_

Project Number: 24-3255

Email@ for Rpt: jmarberry@ecslimited.com

Sample No.	Homogeneous Area	Sample Description	Quantity	Friable Y/N	Location	Accessibility/Potential fo Damage
20-SJM-18A		12X12 Tan Floor Tile			Bldg. 20 Rm. 100	
24 SJM-14A		Drywall Joint Compound			Bld. 24 Lv. 3 Hallway	
24 SJM-15A					Bld. 24 Lv. 3 Hallway	
24 SJM-16A					Bld. 24 Lv. 3 Hallway	
24 SJM-17A					Bld. 24 Lv. 3 Hallway	
24 SJM-18A					Bld. 24 Lv. 3 Hallway	
21 SJM-19A						
21 SJM-42A		Black Floor Tile Mastic			Bld. 24 Rm. 327	
21 SJM-43A						
24 SJM-44A						
24 SJM-46A		Yellow Floor Tile Mastic			Bld. 24 Rm. 327	
24 SJM-49A					Bld. 24 Rm. 327	

Relinquished By: [Signature] Date: 7/13/09 Received By: [Signature] Date: 07-14-09 14:53  
Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_

**EMSL Analytical, Inc.**

212 South Wagner Road, Ann Arbor, MI 48103

Phone: (734) 668-6810 Fax: (734) 668-8532 Email: [annarbordab@emsl.com](mailto:annarbordab@emsl.com)

Attn: **Jason Marberry**  
**ECS, Ltd.**  
**2815 Directors Row.Suite 500**  
**Orlando, FL 32809**

Customer ID: ECSL77  
Customer PO:  
Received: 06/23/09 12:00 PM  
EMSL Order: 080901590

Fax: (407) 859-9599 Phone: (407) 859-8378  
Project: 24:3255 Bay Pines VA, Bay Pines FL. Bldg 20

EMSL Proj:  
Analysis Date: 7/16/2009

**Asbestos Analysis of Bulk Material via EPA 600/R-93/116. Quantitation using 400 Point Count Procedure.**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
20-SJM-35 080901590-0035	Floor Tile	Gray Fibrous Homogeneous		99.50% Non-fibrous (other)	0.50% Chrysotile
20-SJM-36 080901590-0036	Floor Tile	Gray Fibrous Homogeneous		99.75% Non-fibrous (other)	0.25% Chrysotile
20-SJM-37 080901590-0037	Floor Tile	Gray Fibrous Homogeneous		99.75% Non-fibrous (other)	0.25% Chrysotile
20-SJM-46 080901590-0046A	Mastic	Black Fibrous Homogeneous		100.00% Non-fibrous (other)	<0.25% Chrysotile

Non-friable organically bound samples such as floor tiles and mastics are not conducive to point counting. EMSL recommends gravimetric reduction prior to analysis.

Analyst(s)

Orlando J. Ivey II (4)

Brian Walczak, Laboratory Manager  
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted.

United States Department of Commerce  
National Institute of Standards and Technology



## Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101151-0

**EMSL Analytical, Inc.**  
Orlando, FL

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

### **BULK ASBESTOS FIBER ANALYSIS**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

2009-07-01 through 2010-06-30

*Effective dates*



*Sally A. Bruce*  
For the National Institute of Standards and Technology

United States Department of Commerce  
National Institute of Standards and Technology



---

## Certificate of Accreditation to ISO/IEC 17025:2005

---

NVLAP LAB CODE: 200399-0

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Chicago, IL

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

### **BULK ASBESTOS FIBER ANALYSIS**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated 18 June 2005).*

2009-04-01 through 2010-03-31

*Effective dates*



*Sally S. Bruce*  
For the National Institute of Standards and Technology

United States Department of Commerce  
National Institute of Standards and Technology



---

**Certificate of Accreditation to ISO/IEC 17025:2005**

---

NVLAP LAB CODE: 101048-4

**EMSL Analytical, Inc.**  
Ann Arbor, MI

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

**BULK ASBESTOS FIBER ANALYSIS**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2009-07-01 through 2010-06-30

*Effective dates*



*Sally S. Bruce*  
\_\_\_\_\_  
For the National Institute of Standards and Technology

**APPENDIX B**  
**FIELD NOTES**

# Roof not accessible

Inspector RKM Building 20

Sample #	Sample Description	Location/Room #	Damage	Quantity	Notes
1	FLOOR LEVelling CPMS	Auditorium 100			UNDER CARPET
2	"	"			
3	"	"			
4	PIPE INSULATION	Auditorium 100A			STAGE
5	" WRAP	"			
6	"	"			
7	DRYWALL	Auditorium 100			
8	"	"			
9	"	"			
10	DRYWALL JOINT CPMS	Auditorium 100			
11	"	"			
12	"	"			
13	CEILING TILE - 2'	Auditorium 100			ACoustICAL PANELS ON CEILING - OFF WHITE
14	"	"			
15	"	"			
16	TAN F.T. / MASTIC	Auditorium 100			12"
17	"	"			
18	"	"			
19	TEXTURE CEILING	Auditorium 100			
20	PLASTER	"			
21	"	"			
22	"	"			
23	"	"			
24	"	"			
25	"	"			
26	WALL TILE	HALL 104			12"
27	"	"			
28	"	"			
29	F.T. / MASTIC	HALL 104			WHITE w/ BLACK FLECK 12"
30	"	"			
31	"	"			

Date 6/19

Page 1 of 3

\* NEED TO GET ACCESS TO 3 ROOMS TO  
LOOK FOR PIPE INSULATION.

Inspector \_\_\_\_\_ Building 20

Sample #	Sample Description	Location/Room #	Damage	Quantity	Notes
32	LT. BROWN FT/MASTIC	POST OFFICE 100			9"
33	"	"			
34	"	"			
35	LT. BROWN FT/MASTIC	POST OFFICE 100			12"
36	"	"			
37	"	"			
38	CEILING TILE	POSTAL SERVICE			2' PITHOLE <del>PATTERN</del> PATTERN
39	"	AREA 100			
40	"	"			
41	TERRAZA TILE	HALL 11A			
42	"	"			
43	"	"			
44	FT/MASTIC	2ND FL. HALL			9" BURGUNDY
45	"	"			
46	"	"			
47	FT/MASTIC	2ND FL. HALL			9" TAN
48	"	"			
49	"	"			
50	FT/MASTIC	2ND FL. CONF. RM			9" GREEN
51	"	200C			
52	"	"			
53	CEILING TILE MASTIC	SECRETARY 200			BROWN
54	"	"			
55	"	"			
56	BASEBOARD MASTIC	2ND FL. CONF. RM			TAN
57	"	2ND <del>FL.</del> FL. HALL			
58	"	2ND FL. HALL			

Date 6/19

Page 2 of 3

Inspector \_\_\_\_\_ Building 20

[illegible]

Date 6/19

Page 3 of 3