

ADDENDUM NUMBER 2
Thursday, May 30, 2019

PROJECT: **UPSTATE-LED Lighting-Palmetto Villas-Unit 6**
UNIVERSITY OF SOUTH CAROLINA
PROJECT NO. FP00000251
LEA PROJECT NO. USC-2019-08

This addendum forms a part of the Construction Documents and modifies the original Bidding Documents dated 05.06.2019 as noted below. Acknowledge receipt of this addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

GENERAL:

G1 Attached is the current "Limited Asbestos Inspection Report" for Villa #6 at USC's Upstate campus.

END OF ADDENDUM NUMBER 2

Attachment (16 pages)



LIMITED ASBESTOS INSPECTION REPORT

FOR

University of South Carolina Upstate
800 University Way
Spartanburg, South Carolina 29303

LOCATION
Villas Building #6
800 University Way
Spartanburg, SC 29303

INSPECTION DATE: May 22, 2019
REPORT DATE: May 24, 2019

INSPECTOR
Haley Jones— SC-DHEC License #BI-01733
(864) 541-8736
Dustin Henderson— SC-DHEC License #BI-01510

For

Crossroads Environmental, LLC
1258 Boiling Springs Road
Spartanburg, South Carolina 29303
(864) 541-8736
CRE Project # 17017-IN

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INSPECTION REPORT/LETTER

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- RESULTS
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May 24, 2019

Mr. Cody Godfrey
University of South Carolina Upstate
800 University Way
Spartanburg, SC 29303

Re: Limited Asbestos Inspection Report
Villas Building #6
CRE Project Number: 17017-IN

Dear Mr. Godfrey:

Crossroads Environmental, LLC (CRE) performed sampling of drywall, associated joint compound, and ceiling texture in Villas Building #6. The inspection was performed on May 22, 2019 by a SC-DHEC Licensed Asbestos Inspector, and in accordance with South Carolina Department of Health and Environmental Control (SC-DHEC) and Environmental Protection Agency (EPA) Requirements. **A detailed summary table of the sampling is included in Attachment I; however, this report should be read in its entirety.**

Area Description

CRE's scope of work was limited to sampling drywall, associated joint compound, and ceiling texture within the Villas building #6 in preparation for a summer lighting project. No other suspect materials will be impacted by the project.

Inspection Strategy/Sampling Protocol

The inspection consisted of grouping suspect asbestos containing materials into homogeneous areas based on the color and texture of the material, and then performing representative sampling of the materials included in those homogeneous areas. SC-DHEC has requirements for the minimum number of samples that can be collected from each homogeneous area (three samples of each miscellaneous material, three samples of each type of thermal system insulation, and the sample requirements for surfacing are based on square footage). Following completion of the on-site inspection/sampling, samples were submitted to an accredited laboratory for analysis.

As of June 27, 2008, SC-DHEC requires that any non-friable organically bound (NOB) material that is suspect to contain asbestos, such as floor tile, mastics, roofing material, and caulking must be analyzed by transmission electron microscopy (TEM) if polarized light microscopy (PLM) analyses of that material indicate that no asbestos was detected in the first sample analyzed.

Results

EPA recognizes a material as Asbestos Containing Material (ACM) if an asbestos content of greater than one percent asbestos is detected in a representative sample analyzed by polarized light microscopy.

Results indicated that no asbestos was detected in the materials sampled.

Closing Statements and Limitations

If any materials are scheduled to be disturbed that were not included in this inspection, then they should be sampled prior to disturbance.

This document has been prepared by Crossroads Environmental, LLC at the request of and for the exclusive use of The University of South Carolina Upstate. This report represents the findings from the date that it was inspected, and is limited in scope to that indicated above.

Crossroads Environmental, LLC appreciates the opportunity to provide The University of South Carolina Upstate with our consultative services. Should you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,



Haley Jones
Licensed Inspector



Dustin Henderson
Licensed Inspector



Kay H. Horton
President

Attachments- (4)

ATTACHMENT I
ASBESTOS SUMMARY TABLE W/ PHOTOS

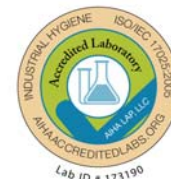
CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT								CRE JOB #: 17017-IN	
Location:		Villa #6							
Client:		USC Upstate						DATE:5/22/2019	
Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required sq.ft.=Square Feet, cu.ft.=Cubic Feet, ln.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing NAD=No Asbestos Detected, SP=Stop Positive									
HA#	Type of Material TSI, Surf, Misc.	Material Type	Sample Number	Asbestos Content (PLM)	Asbestos Content (TEM)	Location of Sample	Approx. Quantity	Physical Condition	Location/ Comments
01	Surf.	Drywall/Joint Compound	226-Drywall 226-Joint Compound	NAD NAD	/ /	Bedroom Closet-A	N/A	Good; Friable	Located throughout Villa #6 on walls and ceilings.
			227-Drywall 227-Joint Compound	NAD NAD	/ /	Bedroom Closet-B			
			228-Drywall 228-Joint Compound	NAD NAD	/ /	Bedroom Closet-D			
			229-Drywall 229-Joint Compound	NAD NAD	/ /	Bedroom Closet-C			
			230-Drywall 230-Joint Compound	NAD NAD	/ /	Bedroom Closet-F			
			231-Drywall 231-Joint Compound	NAD NAD	/ /	Bedroom Closet-E			
			232-Drywall 232-Joint Compound	NAD NAD	/ /	Bedroom Closet-B			
02	Surf.	Ceiling Texture	233	NAD	/	Bedroom Closet-A	N/A	Good; Friable	Located throughout Villa #6; excluding restrooms, limited closets, units E & F, and one bedroom of unit C. *Refer to sketch*
			234	NAD	/	Bedroom Closet-B			
			235	NAD	/	Bedroom Closet-D			
			236	NAD	/	Bedroom Closet-C			
			237	NAD	/	Bedroom Closet-C			

ATTACHMENT II
LABORATORY REPORT(S)



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Crossroads Environmental LLC
1258 Boiling Springs Rd
Spartanburg, SC 29303

Attn: Kay Horton

Lab Order ID: 71913779

Analysis ID: 71913779_PLM

Date Received: 5/23/2019

Date Reported: 5/24/2019

Project: USC Upstate-Villa #6

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
226 - A	Drywall/Joint Compound	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
71913779PLM_1	<i>drywall</i>				Dissolved
226 - B	Drywall/Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_13	<i>joint compound</i>				Dissolved
227 - A	Drywall/Joint Compound	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
71913779PLM_2	<i>drywall</i>				Dissolved
227 - B	Drywall/Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_14	<i>joint compound</i>				Dissolved
228 - A	Drywall/Joint Compound	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
71913779PLM_3	<i>drywall</i>				Dissolved
228 - B	Drywall/Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_15	<i>joint compound</i>				Dissolved
229 - A	Drywall/Joint Compound	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
71913779PLM_4	<i>drywall</i>				Dissolved
229 - B	Drywall/Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_16	<i>joint compound</i>				Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Philip Szabo (19)

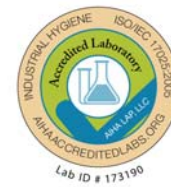
Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
230 - A	Drywall/Joint Compound	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
71913779PLM_5	drywall				Dissolved
230 - B	Drywall/Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_17	joint compound				Dissolved
231 - A	Drywall/Joint Compound	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
71913779PLM_6	drywall				Dissolved
231 - B	Drywall/Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_18	joint compound				Dissolved
232 - A	Drywall/Joint Compound	None Detected	5% Cellulose 5% Fiber Glass	90% Other	Gray Non Fibrous Homogeneous
71913779PLM_7	drywall				Dissolved
232 - B	Drywall/Joint Compound	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_19	joint compound				Dissolved
233	Ceiling Texture	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_8					Dissolved
234	Ceiling Texture	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_9					Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Philip Szabo (19)

Analyst

Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E,
App.E



Customer: Crossroads Environmental LLC
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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
235	Ceiling Texture	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_10					Dissolved
236	Ceiling Texture	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_11					Dissolved
237	Ceiling Texture	None Detected		100% Other	White Non Fibrous Homogeneous
71913779PLM_12					Dissolved

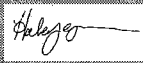
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Philip Szabo (19)

Analyst

Approved Signatory

71913779

Client: Crossroads Environmental, LLC Contact: Kay H. Horton Address: 1258 Boiling Springs Road Phone: 864-541-8736 Fax: 864-541-8776 Email: results@crossroadsenv.net Project: USC Upstate-Villa #6 Client Notes: P.O. #: Date Submitted: 5/22/2019 0:00 Analysis: PLM TurnAroundTime: 24HR	Relinquished By:  Fed EX 8121 9171 7100	Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313 Email: lab@sailab.com
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Sample Number	HA Number	Sample Description	Data 2
<<			
226	1	Drywall/Joint Compound	PLM
227	1	Drywall/Joint Compound	PLM
228	1	Drywall/Joint Compound	PLM
229	1	Drywall/Joint Compound	PLM
230	1	Drywall/Joint Compound	PLM
231	1	Drywall/Joint Compound	PLM
232	1	Drywall/Joint Compound	PLM
233	2	Ceiling Texture	PLM
234	2	Ceiling Texture	PLM
235	2	Ceiling Texture	PLM
236	2	Ceiling Texture	PLM
237	2	Ceiling Texture	PLM

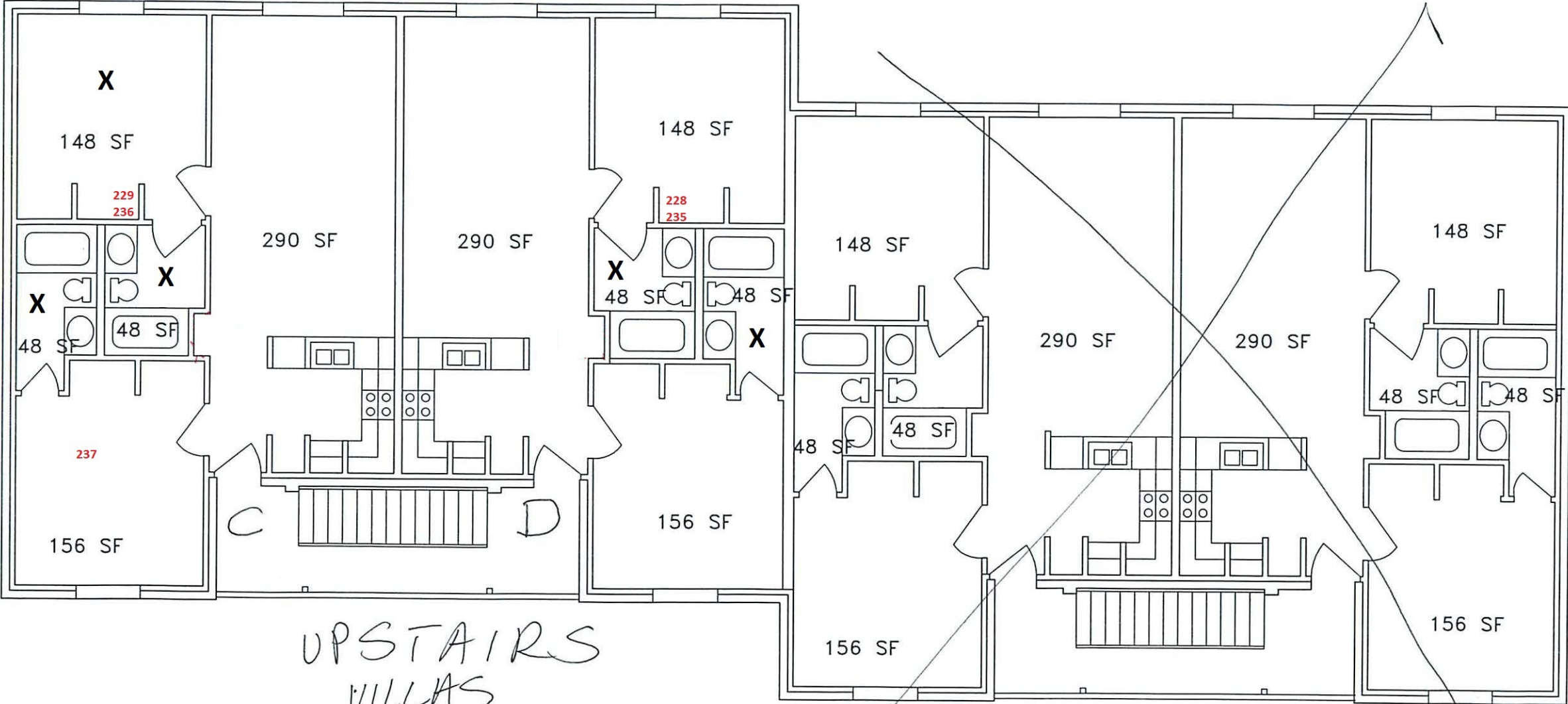
Accepted ☒

Rejected ☐

Bensha 5-22
10:30am

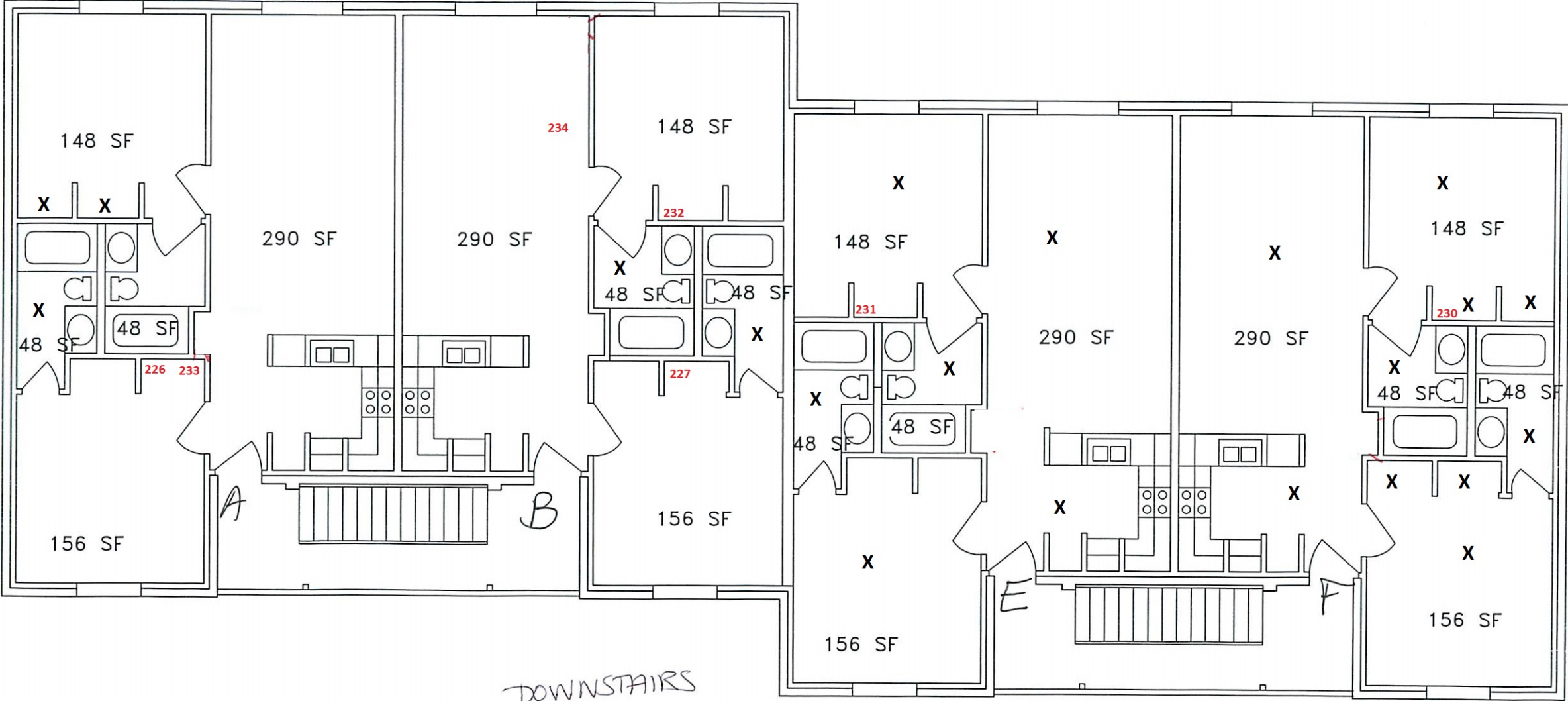
ATTACHMENT III
SAMPLE LOCATION SKETCH AND/OR PHOTOS

X= No Ceiling Texture



UPSTAIRS
VILLAS
BLDG 6

X= No Ceiling Texture



DOWNSTAIRS
VILLAS
BLDG 4

**ATTACHMENT III
ACCREDITATION(S)**

SCDHEC ISSUED

Asbestos ID Card

Haley Jones



AIRSAMPLER

AS-00559

CONSULTBI

BI-01733

CONSULTMP

MP-00261

Expiration Date:

07/20/19

07/27/19

12/14/19