

June 6, 2018

Garvin Design Group
1209 Lincoln St.
Columbia, SC 29201

ADDENDUM NO. 1

The following items shall take precedence over the drawings and specifications for the above named project and shall become a part of the contract documents. Where any item called for in the specifications, or indicated on the drawings, is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided, or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

General

1. See attached Sign-In Sheet from pre-bid conference held on June 6, 2018.
2. Deadline for Substitutions is June 8th by 5 pm. Deadline for Questions is June 12th by 5 pm. Deadline for final Addendum to be posted is June 14th by 2 pm.
3. Reference "USC Hazmat Report" attached to this Addendum. USC will handle hazmat removal which will include floor tile under carpet in current Room 205 (new Women's Locker Room 203), wall base and mastic in rooms being demolished and removal of HVAC insulation and associated mastic where necessary, and any other discovered hazardous materials. The Owner will work with the contractor during demolition to determine the full extent of the hazardous material scope.

Specifications

1. Reference revised SE-330 Lump Sum Bid Form attached to this Addendum. Revised Section 6.2 to add Alternate #2 description as noted in Item 2. below. Also revised Section 7 to delete requirement for Heating (HT) Subcontractor Specialty listing for Base Bid.
2. Reference Section 012300 Alternates. Revise 3.1 Schedule of Alternates to add the following:
"Alternate No. 2: All work indicated in the Drawings and Specifications in reference to custom wood/laminate lockers is to be contractor-furnished, contractor-installed (CFCI). Electrical work associated with the lockers remains part of the base bid."
1. Reference Section 099123 Interior Painting. Revise 2.1, A. to add Rose Talbert Paint Company as an approved manufacturer.

Drawings

1. Reference Drawing A4.1 and A5.2. All drawings and references to custom wood/laminate lockers shown in Women's Locker Room 203 are to be part of Alternate No. 2. The supply and installation of lockers will be owner-furnished, owner-installed (OFOI) under the base bid. The supply and installation of lockers will be contractor-furnished, contractor-installed (CFCI) under Alternate No. 2. Electrical work associated with the lockers remains part of the base bid.

END OF ADDENDUM NO. 1

Attachments:

1. Pre-bid Conference Sign-in Sheet
2. SE-330 Lump Sum Bid Form
3. USC Hazmat Report

University of South Carolina Upstate
Pre Bid Sign In Sheet
 Spartanburg, South Carolina

Project Name: Outdoor Volleyball Locker/Film Room Renovation
 Project Number: H27-2378
 Pre Bid Date & Time: June 6, 2018 at 10:00 am

SWIMBE?	Name	Company Name	Address	Phone #	Email
Yes No	Juaquana Brookins	USC	1300 Picketts St, Columbia SC 29208	803-777-3596	jbrookin@fmc.sc.edu
Yes No	Ann Derrick	USC	1300 Picketts St, Columbia SC 29208	803-777-5811	aderrick@fmc.sc.edu
Yes No	Davis McMeeKia	Smith Constructors		803-345-9566	gusmit@att.net
Yes No	Joseph Temple	MAR construction		843-7981070	Estimating@marconstruction.com
Yes No	Charlie Mimms	Mimms Contracting	Po Box 6732 Columbia 29260	803-447-1405	cmimms@mimmscontracting.com
Yes No	Fond Tepper	Sunwalt Associates	3800 Forest Ave Suite A 101	803-797-8117	ftupper@sunwalt.com
Yes No	Gabriel Telfer	First Class Const.	126 Suber Rd Suite B Columbia SC 29210	803-741-6038	gtelfer@fccon.com
Yes No	TERRY BUCHMANN	GRUIN DESIGN GROUP	1209 LINCOLN ST. COLUMBIA, SC 29204	803 212 1032	tbuchmann@gruindesigngroup.com
Yes No	Greg Tyler	Tyler Const. Group	P.O. Box 2503, Columbia SC 29224	803 803-514-0404	bids@tyler-construction.com

***By signing this sheet you agree to receive information electronically.

University of South Carolina Upstate
Pre Bid Sign In Sheet
 Spartanburg, South Carolina

Project Name: Outdoor Volleyball Locker/Film Room Renovation
Project Number: H27-Z378
Pre Bid Date & Time: June 6, 2018 at 10:00 am

SWMBE?	Name	Company Name	Address	Phone #	Email
Yes No	SIMONE WATKIN	USC HARJMAT	100 Pendleton Street Columbia, SC 29208	803-603-7748	WARRENS6@mailbox.sc.edu
Yes No					
Yes No					
Yes No					
Yes No					
Yes No					
Yes No					
Yes No					
Yes No					
Yes No					

****By signing this sheet you agree to receive information electronically.

**SE-330
LUMP SUM BID FORM**

Bidders shall submit bids on only Bid Form SE-330.

BID SUBMITTED BY: _____
(Bidder's Name)

BID SUBMITTED TO: University of South Carolina
(Owner's Name)

FOR: PROJECT NAME: Outdoor Volleyball Locker/Film Room Renovation
PROJECT NUMBER: H27-Z378

OFFER

§ 1. In response to the Invitation for Construction Services and in compliance with the Instructions to Bidders for the above-named Project, the undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with the Owner on the terms included in the Bidding Documents, and to perform all Work as specified or indicated in the Bidding Documents, for the prices and within the time frames indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

§ 2. Pursuant to SC Code § 11-35-3030(1), Bidder has submitted Bid Security as follows in the amount and form required by the Bidding Documents:

- Bid Bond with Power of Attorney** **Electronic Bid Bond** **Cashier's Check**
- (Bidder check one)*

§ 3. Bidder acknowledges the receipt of the following Addenda to the Bidding Documents and has incorporated the effects of said Addenda into this Bid:

(Bidder, check all that apply. Note, there may be more boxes than actual addenda. Do not check boxes that do not apply)

- ADDENDA:** **#1** **#2** **#3** **#4** **#5**

§ 4. Bidder accepts all terms and conditions of the Invitation for Bids, including, without limitation, those dealing with the disposition of Bid Security. Bidder agrees that this Bid, including all Bid Alternates, if any, may not be revoked or withdrawn after the opening of bids, and shall remain open for acceptance for a period of **60** Days following the Bid Date, or for such longer period of time that Bidder may agree to in writing upon request of the Owner.

§ 5. Bidder herewith offers to provide all labor, materials, equipment, tools of trades and labor, accessories, appliances, warranties and guarantees, and to pay all royalties, fees, permits, licenses and applicable taxes necessary to complete the following items of construction work:

§ 6.1 **BASE BID WORK** *(as indicated in the Bidding Documents and generally described as follows):* Renovation of Outdoor Volleyball current team facilities into new locker room, bathroom, and showers, film room, and team lounge.

\$ _____, which sum is hereafter called the Base Bid.
(Bidder to insert Base Bid Amount on line above)

SE-330
LUMP SUM BID FORM

§ 6.2 **BID ALTERNATES** as indicated in the Bidding Documents and generally described as follows:

ALTERNATE # 1 (Brief Description): All work indicated in Drawings on the first floor in Vestibule V101, Lobby V102 and Corridor H101. Work includes removal of display case and removal/replacement of ceiling tile in first floor lobby area, and patching, repair, renovation, painting and finish upgrades to same area, including re-setting of electrical fixtures and lighting in new ceiling tile.

ADD TO or **DEDUCT FROM BASE BID: \$** _____

(Bidder to mark appropriate box to clearly indicate the price adjustment offered for each Alternate)

ALTERNATE # 2 (Brief Description): All work indicated in the Drawings and Specifications in reference to custom wood/laminate lockers is to be contractor-furnished, contractor-installed (CFCI). Electrical work associated with the lockers remains part of the base bid.

ADD TO or **DEDUCT FROM BASE BID: \$** _____

(Bidder to mark appropriate box to clearly indicate the price adjustment offered for each Alternate)

ALTERNATE # 3 (Brief Description): _____

ADD TO or **DEDUCT FROM BASE BID: \$** _____

(Bidder to mark appropriate box to clearly indicate the price adjustment offered for each Alternate)

§ 6.3 **UNIT PRICES:**

BIDDER offers for the Agency’s consideration and use, the following **UNIT PRICES**. The **UNIT PRICES** offered by **BIDDER** indicate the amount to be added to or deducted from the **CONTRACT SUM** for each item-unit combination. **UNIT PRICES** include all costs to the Agency, including those for materials, labor, equipment, tools of trades and labor, fees, taxes, insurance, bonding, overhead, profit, etc. The Agency reserves the right to include or not to include any of the following **UNIT PRICES** in the Contract and to negotiate the **UNIT PRICES** with **BIDDER**.

No.	ITEM	UNIT OF MEASURE	ADD	DEDUCT
1.	N/A		\$	\$
2.			\$	\$
3.			\$	\$
4.			\$	\$
5.			\$	\$
6.			\$	\$

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LUMP SUM BID FORM

§ 7. LISTING OF PROPOSED SUBCONTRACTORS PURSUANT TO SECTION 3020(b)(i), CHAPTER 35, TITLE 11 OF THE SOUTH CAROLINA CODE OF LAWS, AS AMENDED

(See Instructions on the following page BF-2A)

Bidder shall use the below-listed Subcontractors in the performance of the Subcontractor Specialty Classification work listed:

(A) SUBCONTRACTOR SPECIALTY <i>(Completed by Owner)</i>	(B) CLASSIFICATION or SUBCLASSIFICATION ABBREVIATION <i>(Completed by Owner)</i>	(C) SUBCONTRACTOR'S or PRIME CONTRACTOR'S NAME <i>(Required - must be completed by Bidder)</i>	(D) SUBCONTRACTOR'S or PRIME CONTRACTOR'S SC LICENSE NUMBER <i>(Requested, but not Required)</i>
BASE BID			
Air Conditioning	AC		
Plumbing	PB		
Electrical	EL		
ALTERNATE #1			
Electrical	EL		
ALTERNATE #2			
N/A			
ALTERNATE #3			
N/A			

If a Bid Alternate is accepted, Subcontractors listed for the Bid Alternate shall be used for the work of both the Alternate and the Base Bid work.

SE-330 LUMP SUM BID FORM

INSTRUCTIONS FOR SUBCONTRACTOR LISTING

1. Section 7 of the Bid Form sets forth an Owner-developed list of contractor/subcontractor specialties by contractor license classification or subclassification for which Bidder is required to identify the entity (subcontractor(s) and/or himself) Bidder will use to perform the work of each listed specialty.
 - a. **Columns A & B:** The Owner fills out these columns to identify the contractor/subcontractor specialty and related license abbreviation for which the Bidder must list either a subcontractor or himself as the entity that will perform this work. In Column A, the subcontractor specialty is identified by name and in Column B, the related contractor license abbreviation (per Title 40 of the SC Code of Laws) is listed. Abbreviations of licenses can be found at: <http://www.llr.state.sc.us/POL/Contractors/PDFFiles/CLBClassificationAbbreviations.pdf> . If the owner has not identified a specialty, the Bidder does not list a subcontractor.
 - b. **Columns C and D:** In these columns, the Bidder identifies the subcontractors it will use for the work of each specialty and license listed by the Owner in columns A & B. Bidder must identify only the subcontractor(s) who will perform the work and no others. Bidders should make sure that their identification of each subcontractor is clear and unambiguous. A listing that could be any number of different entities may be cause for rejection of the bid as non-responsive. For example, a listing of M&M without additional information may be problematic if there are multiple different licensed contractors in South Carolina whose names start with M&M.
2. **Subcontractor Defined:** For purposes of subcontractor listing, a subcontractor is an entity who will perform work or render service to the prime contractor to or about the construction site pursuant to a contract with the prime contractor. Bidder should not identify sub-subcontractors in the spaces provided on the bid form but only those entities with which Bidder will contract directly. Likewise, do not identify material suppliers, manufacturers, and fabricators that will not perform physical work at the site of the project but will only supply materials or equipment to the Bidder or proposed subcontractor(s).
3. **Subcontractor Qualifications:** Bidder must only list subcontractors who possess a South Carolina contractor's license that includes the license classification and/or subclassification identified by the Owner in columns A & B. The subcontractor license must also be within the appropriate license group for the work of the specialty. If Bidder lists a subcontractor who is not qualified to perform the work, the Bidder will be rejected as non-responsive.
4. **Use of Own forces:** If, under the terms of the Bidding Documents and SC Contractor Licensing laws, Bidder is qualified to perform the work of a listed specialty and Bidder does not intend to subcontract such work but to use Bidder's own employees to perform such work, the Bidder must insert its own name in the space provided for that specialty.
5. **Use of Multiple Subcontractors:**
 - a. If Bidder intends to use multiple subcontractors to perform the work of a single specialty listing, Bidder must insert the name of each subcontractor Bidder will use, preferably separating the name of each by the word "**and**". If Bidder intends to use both his own employees to perform a part of the work of a single specialty listing and to use one or more subcontractors to perform the remaining work for that specialty listing, Bidder must insert his own name and the name of each subcontractor, preferably separating the name of each with the word "**and**". Bidder must use each entity listed for the work of a single specialty listing in the performance of that work.
 - b. **Optional Listing Prohibited:** Bidder may not list multiple subcontractors for a specialty listing, in a form that provides the Bidder the option, after bid opening or award, to choose one or more but not all the listed subcontractors to perform the work for which they are listed. A listing, which on its face requires subsequent explanation to determine whether it is an optional listing, is non-responsive. If Bidder intends to use multiple entities to perform the work for a single specialty listing, Bidder must clearly set forth on the bid form such intent. Bidder may accomplish this by simply inserting the word "**and**" between the names of each entity listed for that specialty. Agency will reject as non-responsive a listing that contains the names of multiple subcontractors separated by a blank space, the word "or", a virgule (that is a /), or any separator that the Agency may reasonably interpret as an optional listing.
6. If Bidder is awarded the contract, Bidder must, except with the approval of the Agency for good cause shown, use the listed entities to perform the work for which they are listed.
7. If Bidder is awarded the contract, Bidder will not be allowed to substitute another entity as subcontractor in place of a subcontractor listed in Section 7 of the Bid except for one or more of the reasons allowed by the SC Code of Laws.
8. Bidder's failure to identify an entity (subcontractor or himself) to perform the work of a subcontractor specialty listed in columns A & B will render the Bid non-responsive.

SE-330 LUMP SUM BID FORM

§ 8. LIST OF MANUFACTURERS, MATERIAL SUPPLIERS, AND SUBCONTRACTORS OTHER THAN SUBCONTRACTORS LISTED IN SECTION 7 ABOVE (*FOR INFORMATION ONLY*):

Pursuant to instructions in the Invitation for Construction Services, if any, Bidder will provide to Owner upon the Owner's request and within 24 hours of such request, a listing of manufacturers, material suppliers, and subcontractors, other than those listed in Section 7 above, that Bidder intends to use on the project. Bidder acknowledges and agrees that this list is provided for purposes of determining responsibility and not pursuant to the subcontractor listing requirements of SC Code § 11-35-3020(b)(i).

§ 9. TIME OF CONTRACT PERFORMANCE AND LIQUIDATED DAMAGES

a) CONTRACT TIME

Bidder agrees that the Date of Commencement of the Work shall be established in a Notice to Proceed to be issued by the Owner. Bidder agrees to substantially complete the Work within 120 Calendar Days from the Date of Commencement, subject to adjustments as provided in the Contract Documents.

b) LIQUIDATED DAMAGES

Bidder further agrees that from the compensation to be paid, the Owner shall retain as Liquidated Damages the amount of \$ 250.00 for each Calendar Day the actual construction time required to achieve Substantial Completion exceeds the specified or adjusted time for Substantial Completion as provided in the Contract Documents. This amount is intended by the parties as the predetermined measure of compensation for actual damages, not as a penalty for nonperformance.

§ 10. AGREEMENTS

- a) Bidder agrees that this bid is subject to the requirements of the laws of the State of South Carolina.
- b) Bidder agrees that at any time prior to the issuance of the Notice to Proceed for this Project, this Project may be canceled for the convenience of, and without cost to, the State.
- c) Bidder agrees that neither the State of South Carolina nor any of its agencies, employees or agents shall be responsible for any bid preparation costs, or any costs or charges of any type, should all bids be rejected or the Project canceled for any reason prior to the issuance of the Notice to Proceed.

§ 11. ELECTRONIC BID BOND

By signing below, the Principal is affirming that the identified electronic bid bond has been executed and that the Principal and Surety are firmly bound unto the State of South Carolina under the terms and conditions of the AIA Document A310, Bid Bond, included in the Bidding Documents.

ELECTRONIC BID BOND NUMBER: _____

SIGNATURE AND TITLE: _____

**SE-330
LUMP SUM BID FORM**

CONTRACTOR'S CLASSIFICATIONS AND SUBCLASSIFICATIONS WITH LIMITATION

SC Contractor's License Number(s): _____

Classification(s) & Limits: _____

Subclassification(s) & Limits: _____

By signing this Bid, the person signing reaffirms all representation and certification made by both the person signing and the Bidder, including without limitation, those appearing in Article 2 of the SCOSE Version of the AIA A701, Instructions to Bidders, is expressly incorporated by reference.

BIDDER'S LEGAL NAME: _____

ADDRESS: _____

TELEPHONE: _____

EMAIL: _____

SIGNATURE: _____ **DATE:** _____

PRINT NAME: _____

TITLE: _____



EMSL ANALYTICAL, INC.
LABORATORY-PRODUCTS-TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

7472

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: University of South Carolina Street: 743 Greene Street City: Columbia State/Province: SC Report To (Name): USC Hazmat Email Address: asbestos@mailbox.sc.edu Project Name/Number: R009 E - 199 U.S. State Samples Taken: SC		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small> Third Party Billing requires written authorization from third party Zip/Postal Code: 29208 Country: US Telephone #: Fax #: Purchase Order: Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
Turnaround Time (TAT) Options* - Please Check <input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 1 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
<small>*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.</small>			
PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input checked="" type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NY ELAP Method 198.1 (friable in NY) <input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY) <input type="checkbox"/> OSHA ID-191 Modified <input type="checkbox"/> Standard Addition Method		TEM - Bulk <input checked="" type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1 <input type="checkbox"/> NY ELAP Method 198.4 (TEM) <input type="checkbox"/> Chatfield Protocol (semi-quantitative) <input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2 <input type="checkbox"/> TEM Qualitative via Filtration Prep Technique <input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique Other <input type="checkbox"/>	
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Date Sampled: 11/15/17	
Samplers Name: SIMONE WARREN		Samplers Signature: <i>[Signature]</i>	
Sample #	HA #	Sample Location	Material Description
		See field sheet	
Client Sample # (s): 1 - 105		Total # of Samples: 105	
Relinquished (Client): SIMONE WARREN		Date: 11-20-17	Time: 4:50pm
Received (Lab): <i>[Signature]</i>		Date: 11/21/17	Time: 9:15
Comments/Special Instructions: (3) EFX 795375688651			

Reset Form

Print Form

7472



Building # ROOST E- 199 Date: 11/15/2017 Turn Around Time 24 HOURS

Sample Analysis Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	12"x12" Gray Floor Tile/ Mastic	V102 (Lobby AREA)	NF	Good	<1000SF	L
A	2	12"x12" Gray Floor Tile/ Mastic	V102 (Lobby AREA)	NF	Good	<1000SF	L
A	3	12"x12" Gray Floor Tile/ Mastic	V102 (Lobby Area) (TEM, if neg)	NF	Good	<1000SF	L
B	4	Black Grade slate/Mastic Vinyl	V101 (Vestibule)	NF	Good	<1000SF	L
B	5	Black Grade slate / Mastic Vinyl	V101 (Vestibule)	NF	Good	<1000SF	L
B	6	Black Grade slate / Mastic Vinyl	V101 (Vestibule) (TEM, if neg)	NF	Good	<1000SF	L
C	7	12x 12" White Floor Tile/ Mastic	V101 (Vestibule)	NF	Good	<1000SF	L
C	8	12"x12" White Floor Tile/ Mastic	V101 (Vestibule)	NF	Good	<1000SF	L
C	9	12"x12" White Floor Tile/ Mastic	V101 (Vestibule) (TEM, if neg)	NF	Good	<1000SF	L
D	10	Joint Compound	NORTH WALK V101 (Vestibule)	NF	Good	<1000SF	L

License # GR00052 FM# FM005589533 Requestor SIMONE WARREN
 Signature [Signature]

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747a



Building # ROOST E- 199 Sample Analysis Date: 11/15/2017 Turn Around Time 24 HOURS

Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
D	11	Joint compound	North WH1 V101 (Vestibule)	NF	Good	<1000 SF	L
D	12	Joint Compound	North WH1 V101 (Vestibule)	NF	Good	<1000 SF	L
E	13	2x2 Ceiling Tile	V102 (Lobby)	NF	Good	<1000 SF	L
E	14	2x2 Ceiling Tile	V102 (Lobby)	NF	Good	<1000 SF	L
E	15	2x2 Ceiling Tile	V102 (Lobby)	NF	Good	<1000 SF	L
F	16	Joint Compound	V101 (Vestibule - above ceiling Tiles)	NF	Good	<1000 SF	L
F	17	Joint Compound	V101 (Vestibule - above Ceiling Tiles)	NF	Good	<1000 SF	L
F	18	Joint Compound	V101 (Vestibule - above Ceiling Tiles)	NF	Good	<1000 SF	L
G	19	Sheetrock panels	V102 (Lobby - above Ceiling Tiles)	NF	Good	<1000 SF	L
G	20	Sheetrock panels	V102 (Lobby - above Ceiling Tiles)	NF	Good	<1000 SF	L

License # GR00052 FM# FM005589533 Requestor SIMONE WARREN Signature

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7472



Building # ROOST E-199 Sample Analysis Date: 11/15/2017 Turn Around Time 24 HOURS
 Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
G	21	Sheetrock panels	V102 (lobby - above ceiling TILES)	NF	Good	<1000SF	L
H	22	Black cave Base/Mastic	ST01 (around perimeter of Area)	NF	Good	<1000SF	L
H	23	Black cave Base/Mastic	ST01 (around perimeter of Area)	NF	Good	<1000SF	L
H	24	Black cave Base/Mastic	ST01 (around perimeter of Area) ^(TEMP, High)	NF	Good	<1000SF	L
I	25	Sheetrock	Rm 215 Northwest Wall	NF	Good	<1000SF	L
I	26	Sheetrock	Rm 215 Northwest Wall	NF	Good	<1000SF	L
I	27	Sheetrock	Rm 215 Northwest Wall	NF	Good	<1000SF	L
J	28	Joint Compound	Rm 215 Northwest Wall	NF	Good	<1000SF	L
J	29	Joint Compound	Rm 215 Northwest Wall	NF	Good	<1000SF	L
J	30	Joint Compound	Rm 215 Northwest Wall	NF	Good	<1000SF	L

License # GR00052 FM# FM005589533 Requestor SIMONE WARREN
 Signature [Signature]

Reset Form

Print Form

7472



Building # ROOST E- 199 Sample Analysis Date: 11/15/2017 Turn Around Time 24 HOURS

Type of Analysis: Lead Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
K	31	2x2' Ceiling tile	Rm 215	NF	Good	<1000SF	L
K	32	2x2' Ceiling Tile	Rm 215	NF	Good	<1000SF	L
K	33	2x2' Ceiling Tile	Rm 215	NF	Good	<1000SF	L
L	34	Sheetrock	H201 East Wall	NF	Good	<1000SF	L
L	35	Sheetrock	H201 East Wall	NF	Good	<1000SF	L
L	36	Sheetrock	H201 East Wall	NF	Good	<1000SF	L
M	37	Joint Compound	H201 East Wall	NF	Good	<1000SF	L
M	38	Joint Compound	H201 East Wall	NF	Good	<1000SF	L
M	39	Joint Compound	H201 East Wall	NF	Good	<1000SF	L
N	40	Grdy core base/Mastic	Rm 201 (Perimeter of Room)	NF	Good	<1000SF	L

License # GR00052 FM# FM005589533 Requestor SIMONE WARREN

Signature [Signature]

Reset Form

Print Form

7478



Building # ROOST E- 199 Sample Analysis Date: 11/15/2017 Turn Around Time 24 HOURS

Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
N	41	Gray core base / Mastic	Rm 201 (Perimeter of Room)	NF	Good	<1000 SF	L
N	42	Gray core base / Mastic	Rm 201 (Perimeter of Room) (TEM, if neg)	NF	Good	<1000 SF	L
O	43	Pink Mastic	Rm 203 (Under Carpet)	NF	Good	<1000 SF	L
O	44	Pink Mastic	Rm 203 (Under Carpet)	NF	Good	<1000 SF	L
O	45	Pink Mastic	Rm 203 (Under Carpet) (TEM/Hmg)	NF	Good	<1000 SF	L
P	46	Black core Base / Mastic	H 201 (Perimeter of Hallway)	NF	Good	<1000 SF	L
P	47	Black core Base / Mastic	H 201 (Perimeter of Hallway)	NF	Good	<1000 SF	L
P	48	Black core Base / Mastic	H 201 (Perimeter of Hallway) (TEM/Hmg)	NF	Good	<1000 SF	L
Q	49	Gray core Base / Mastic	Rm 203 (Perimeter of Room)	NF	Good	<1000 SF	L
Q	50	Gray core Base / Mastic	Rm 203 (Perimeter of Room)	NF	Good	<1000 SF	L

License # GR00052 FM# FM005589533 Signature [Signature] Requestor SIMONE WARREN

Reset Form

Print Form

7472



Building # ROOST E- 199 Sample Analysis Date: 11/15/2017 Turn Around Time 24 HOURS

Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
Q	S1	Grny (ove Base) Mastic	Rm 203 (Perimeter of Room) (TENT NEG)	NF	Good	<1000SF	L
R	S2	2x4 Ceiling Tile	Rm 217 (Restroom)	NF	Good	<1000SF	L
R	S3	2x4 Ceiling Tile	Rm 217 (Restroom)	NF	Good	<1000SF	L
R	S4	2x4 Ceiling Tile	Rm 217 (Restroom)	NF	Good	<1000SF	L
S	S5	2x2 Ceiling Tile	Rm 202 (Restroom)	NF	Good	<1000SF	L
S	S6	2x2 Ceiling Tile	Rm 202 (Rest Room)	NF	Good	<1000SF	L
S	S7	2x2 Ceiling Tile	Rm 202 (Restroom)	NF	Good	<1000SF	L
T	S8	Sheetrock panels	H 204 (above Ceiling Tiles)	NF	Good	<1000SF	L
T	S9	Sheetrock panels	H 204 (above Ceiling Tiles)	NF	Good	<1000SF	L
T	60	Sheetrock panels	H 204 (above Ceiling Tiles)	NF	Good	<1000SF	L

License # GR00052 FM# FM005589533 Signature Requestor SIMONE WARREN

Reset Form Print Form

ELMC



Building # ROOST E- 199 Sample Analysis Date: 11/15/2017 Turn Around Time 24 HOURS
 Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
U	61	Joint compound	H 204 (at the end of corridor where counter-top is stationary)	NF	Good	<1000SF	<
U	62	Joint compound	H 204 (at the end of corridor where counter-top is stationary)	NF	Good	<1000SF	<
U	63	Joint compound	H 204 (at the end of corridor where counter-top is stationary)	NF	Good	<1000SF	<
V	64	Sheetrock	H 204 (at the end of corridor where counter-top is stationary)	NF	Good	<1000SF	<
V	65	Sheetrock	H 204 (at the end of corridor where counter-top is stationary)	NF	Good	<1000SF	<
V	66	Sheetrock	H 204 (at the end of corridor where counter-top is stationary)	NF	Good	<1000SF	<
W	67	Covebase / Mastic	H 204 (Perimeter of Hallway)	NF	Good	<1000SF	<
W	68	Black Covebase / Mastic	H 204 (Perimeter of Hallway)	NF	Good	<1000SF	<
W	69	Black Covebase / Mastic	H 204 (Perimeter of Hallway) ^(STEP)	NF	Good	<1000SF	<
X	70	Joint compound	H 204 (above ceiling tiles)	NF	Good	<1000SF	<

License # GR00052 FM# FM005589533 Requestor SIMONE WARREN
 Signature _____

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Print Form

7472



Building # ROOST E- 199

Sample Analysis

Turn Around Time 24 HOURS

Date: 11/15/2017

Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
X	71	Joint Compound	H 204 (above ceiling tiles)	NF	Good	<1000SF	L
X	72	Joint Compound	H 204 (above ceiling tiles)	NF	Good	<1000SF	L
Y	73	Pink Mastic	Rm 204 (under carpet)	NF	Good	<1000SF	L
Y	74	Pink Mastic	Rm 204 (under carpet)	NF	Good	<1000SF	L
Y	75	Pink Mastic	Rm 204 (under carpet) (TEM, Neg)	NF	Good	<1000SF	L
Z	76	Window caulk (black)	Rm 205 (Window)	NF	Good	<1000SF	L
Z	77	Window caulk (black)	Rm 205 (Window)	NF	Good	<1000SF	L
Z	78	Window caulk (black)	Rm 205 (Window) (TEM, Neg)	NF	Good	<1000SF	L
A1	79	Sheetrock	Rm 205 SW WALL (behind cubbies)	NF	Good	<1000SF	L
A1	80	Sheetrock	Rm 205 SW WALL (behind cubbies)	NF	Good	<1000SF	L

License # GR00052 FM# FM005589533 Signature Requestor SIMONE WARREN

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Building # ROOST E- 199 Sample Analysis Date: 11/15/2017 Turn Around Time 24 HOURS

Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A1	81	Sheetrock	Rm 205 SW WALL (Behind Cubbies)	NF	Good	<1000SF	L
A2	82	Red caulking	H204 above Ceiling Tile	NF	Good	<1000SF	L
A2	83	Red caulking	H204 above Ceiling Tile	NF	Good	<1000SF	L
A2	84	Red caulking	H204 above Ceiling Tile (Remaining)	NF	Good	<1000SF	L
A3	85	Joint compound	Rm 205 JC above CT	NF	Good	<1000SF	L
A3	86	Joint compound	Rm 205 JC above CT	NF	Good	<1000SF	L
A3	87	Joint compound	Rm 205 JC above CT	NF	Good	<1000SF	L
A4	88	Red Floor Material	Rm 205A (under carpet)	NF	Good	<1000SF	L
A4	89	Red Floor Material	Rm 205A (under carpet)	NF	Good	<1000SF	L
A4	90	Red Floor Material	Rm 205A (under carpet) (Remaining)	NF	Good	<1000SF	L

License # GR00052 FM# FM005589533 Requestor SIMONE WARREN

Signature _____

Reset Form

Print Form

7472



Building # ROOST E- 199 Sample Analysis 11/15/2017 Turn Around Time 24 HOURS
 Type of Analysis: Lead // Asbestos Date: 11/15/2017

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A5	91	Floor Mastic	Rm 205A (under carpet)	NF	Good	<1000SF	L
A5	92	Floor Mastic	Rm 205A (under carpet)	NF	Good	<1000SF	L
A5	93	Flur Mastic	Rm 205A (under carpet) (TEM, if neg)	NF	Good	<1000SF	L
A6	94	Back Window Caulking	Rm 205A (window)	NF	Good	<1000SF	L
A6	95	Back Window Caulking	Rm 205A (window)	NF	Good	<1000SF	L
A6	96	Back Window Caulking	Rm 205A (window) (TEM, if neg)	NF	Good	<1000SF	L
A7	97	Floor tile 9x9/Mastic	Rm 205 (Flurs) → under carpet	NF	Good	<1000SF	L
A7	98	Floor tile 9x9/Mastic	Rm 205 (Flurs) under carpet	NF	Good	<1000SF	L
A7	99	Floor tile 9x9/Mastic	Rm 205 (Flurs) under carpet (TEM, if neg)	NF	Good	<1000SF	L
AB	100	White Caulking	Rm 204 (heater caulking)	NF	Good	<1000SF	L

License # GR00052 FM# FM005589533 Requestor SIMONE WARREN
 Signature [Signature]

Reset Form

Print Form

7472



Building # ROOST E- 199

Date: 11/15/2017

Sample Analysis Type of Analysis: Lead / Asbestos

Turn Around Time 24 HOURS

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A8	101	White Caulking	Rm 204 (heater caulking)	NF	Good	<1000SF	L
A8	102	White Caulking	Rm 204 (heater caulking) (TEMP. if neg)	NF	Good	<1000SF	L
A9	103	White leveling compound	H202	NF	Good	<1000SF	L
A9	104	White leveling compound	H202	NF	Good	<1000SF	L
A9	105	White leveling compound	H202	NF	Good	<1000SF	L

License # GR00052

FM# FM005589533

Signature

Requestor SIMONE WARREN

FM00558933



USC Work Order

Description HAZMAT SURVEY

Site	COLUMBIA	Assigned To	JPROVENCE
Building	199 ROOST E	Crew	HAZMAT
Floor	Room:	Start Date	Priority 20
Equipment		Due date	
		Request Date	09-OCT-17 by CAMOORE

Request #	FM00558933	Description	HAZMAT SURVEY
Parent WO #			

CP Number	FP00000068	BEACH VOLLEYBALL TEAM SPACES FEASIBILITY STUDY
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State/Internal Project Number

Requestor	Project Manager	DERRICK, ANN
Telephone	Telephone	777-5811
Alternate	Estimated Cost	\$ 246.00
Telephone	Billing	CHARGEBACK-EXT
Non-Available Time	60020-C408-52043	(USC ATH DEPT RES & REPLACE)

Task List
SEE EMAIL ABOUT THIS

DATE WORK STARTED	CAUSE	
DATE WORK COMPLETED	CONDITION	
EQUIPMENT		
CLOSING REMARKS		
BENCHSTOCK MATERIALS		
Qty	Description	Price Per Unit

Supervisor's Approval _____

Note	Date	Title
	29-NOV-17	HAZMAT SURVEY RESULTS
SURVEY DATE: 11/29/2017		
INSPECTOR #: SIMONE WARREN (GR00052)		
STATUS: THE FOLLOWING SURVEY WAS PERFORMED IN PREPARATION FOR UPCOMING RENOVATIONS SCHEDULED TO TAKE PLACE ON THE 1ST AND 2ND FLOOR OF THE ROOST E BUILDING. THE FOLLOWING AREAS REQUESTED FOR HAZMAT SURVEY ARE AS FOLLOWS (V101, V102, H101, ST0L, 201,203,204,215,H201, 205,205A,H204,H202, 202, AND 217).		
ASBESTOS SECTION:		
ALL HVAC DUCT MASTIC: DEEMED POSITIVE FOR ASBESTOS (SEE INSPECTOR NOTES)		
GRAY COVEBASE/MASTIC & BLACK COVEBASE/MASTIC: POSITIVE FOR ASBESTOS (SEE LINE 3 INSPECTOR NOTES)		
FLOOR TILE/MASTIC (FOUND UNDER CARPET IN ROOM 205): POSITIVE FOR ASBESTOS (SEE INSPECTOR NOTES)		
VINYL STAIRS TREAD/ BLACK MASTIC (ST01): NEGATIVE FOR ASBESTOS		
BLACK MASTIC (FOUND ON PERIMETER OF FRONT ENTRANCE DOORS): NEGATIVE FOR ASBESTOS.		
FIBERGLASS PIPE INSULATION: NON SUSPECT FOR ASBESTOS		
12"X12" GRAY FLOOR TILE/MASTIC: NEGATIVE FOR ASBESTOS		
12"X12" WHITE FLOOR TILE/MASTIC: NEGATIVE FOR ASBESTOS		



BLACK GRADE SLATE/MASTIC: NEGATIVE FOR ASBESTOS
JOINT COMPOUND/SHEETROCK: NEGATIVE FOR ASBESTOS
SHEETROCK PANELS (ABOVE CEILING TILE): NEGATIVE FOR ASBESTOS
2'X2' CEILING TILE: NEGATIVE FOR ASBESTOS
PINK MASTIC (ON CONCRETE FLOORS): NEGATIVE FOR ASBESTOS
BLACK WINDOW CAULK: NEGATIVE FOR ASBESTOS
WHITE LEVELING COMPOUND (UNDERNEATH CARPET): NEGATIVE FOR ASBESTOS
WHITE CAULKING (PERIMETER OF RADIATORS): NEGATIVE FOR ASBESTOS
RED FIRE CAULK: NEGATIVE FOR ASBESTOS
RED FLOOR MATERIAL (FOUND UNDERNEATH CARPET): NEGATIVE FOR ASBESTOS

LEAD SECTION:

WALLS: NEGATIVE FOR LEAD
METAL DOOR FRAMES: NEGATIVE FOR LEAD
STAIR RAILINGS: NEGATIVE FOR LEAD
STAIR CASE STRINGER: NEGATIVE FOR LEAD
CERAMIC TILES (IN RESTROOM): NEGATIVE FOR LEAD

INSPECTOR NOTES:

1. WHITE HVAC DUCT MASTIC WAS OBSERVED IN RM215, HOWEVER WAS NOT SAMPLED DUE TO ACCESSIBILITY LIMITATIONS. ALL HVAC DUCT MASTIC SHALL BE DEEMED POSITIVE UNTIL LAB ANALYTICAL PROVES OTHERWISE. IF THE DISTURBANCE OF HVAC DUCT MASTIC IS ANTICIPATED, PLEASE CONTACT USC HAZMAT TO REASSESS.
2. BLACK COVEBASE/MASTIC & GRAY COVEBASE/MASTIC TESTED POSITIVE FOR ASBESTOS. DURING WORK PROCEEDINGS, IF WORK ACTIVITIES CALL FOR REMOVAL AND/OR DISTURBANCE OF ALL EXISTING COVEBASE/MASTIC, PLEASE STOP WORK AND CONTACT USC HAZMAT ABATEMENT CREW FOR ASSISTANCE.
3. DURING INSPECTION, FLOOR TILES/MASTIC FOUND UNDERNEATH CARPET OF ROOM 205 TESTED POSITIVE FOR ASBESTOS. IN ALL OTHER AREAS INSPECTED, CONCRETE FLOORING WAS OBSERVED UNDERNEATH CARPET. IF THERE ARE FLOOR TILES/MASTIC FOUND UNDERNEATH CARPET IN OTHER AREAS, PLEASE CONTACT USC HAZMAT TO REASSESS.
4. ROLLED FIBERGLASS INSULATION WERE DISCOVERED ABOVE CEILING TILE. HOWEVER, IF A DIFFERENT TYPE OF MATERIAL IS ENCOUNTERED, PLEASE CONTACT USC HAZMAT TO REASSESS.
5. DURING INSPECTION, FIBERGLASS PIPE INSULATION WAS ENCOUNTERED ABOVE THE CEILING TILES. IF THERE IS ANY OTHER PIPE INSULATION MATERIAL ENCOUNTERED, PLEASE STOP ALL WORK AND CONTACT USC HAZMAT TO REASSESS.
6. THERE WERE MIRRORS OBSERVED DURING INSPECTION. EXISTING MIRROR APPEARED TO BE MECHANICALLY ATTACHED TO EXISTING WALLS. HOWEVER, DURING WORK PROCEEDINGS, IF ANY MASTIC OR CAULKING IS ENCOUNTERED, PLEASE CONTACT USC HAZMAT TEAM TO REASSESS MATERIAL(S) PRIOR TO DISPOSAL.
7. IF THERE IS ANY OTHER PIPE INSULATION ENCOUNTERED (OTHER THAN FIBERGLASS INSULATION), THIS MATERIAL(S) SHALL BE DEEMED POSITIVE UNTIL LAB RESULTS PROVE OTHERWISE. PLEASE STOP WORK AND CONTACT USC HAZMAT FOR ASSISTANCE.
8. THERE WERE GLASS BLOCK WINDOWS/ ASSOCIATED MORTAR OBSERVED IN 2ND FLOOR CORRIDOR & IN THE MEN'S LOCKER ROOM AREA DURING INSPECTION. THIS MATERIAL IS NON SUSPECT FOR ASBESTOS.
9. IF BUILDING MATERIAL IS NOT LISTED, DO NOT ASSUME THAT IT DOES NOT CONTAIN ASBESTOS. IT MAY HAVE NOT TESTED. FOR FURTHER INFORMATION, PLEASE CONTACT THE USC HAZMAT PROGRAM.
10. NOTE: MATERIAL QUANTITY PROVIDED ON THE FIELD SHEET IS ONLY AN ESTIMATE FOR SAMPLING PURPOSES. THE QUANTITY SHOULD BE FIELD VERIFIED FOR ALL OTHER PURPOSES INCLUDING ABATEMENT.

29-NOV-17 CLOSING NOTES

SURVEY DATED 11/29/2017
BUILDING: ROOST E (SPECIFIC LOCATIONS LISTED BELOW)
INSPECTOR: SIMONE WARREN

THIS HAZMAT SURVEY IS ONLY VALID FOR THE DESIGNATED ROOMS/AREAS TESTED (V101,V102, H101,ST01, 217, H202,202,H204,215,H201,201,203,204,205,205A; ROOST E BUILDING)

08-SEP-16 ASBESTOS SUMMARY FOR ROOST E (199) – SEPTEMBER 2016

FM00558933



USC Work Order

ASBESTOS HAS NOT BEEN FOUND IN THIS BUILDING. THIS DOES NOT MEAN THAT ASBESTOS DOES NOT EXIST IN THE BUILDING AS ALL BUILDING MATERIALS HAVE NOT BEEN TESTED.

FOR FURTHER INFORMATION, PLEASE CONTACT THE USC HAZMAT PROGRAM.



EMSL Analytical, Inc.

706 Gralin Street Kernersville, NC 27284

Tel/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com> / greensborolab@emsl.com

EMSL Order: 021707472

Customer ID: UNSC62

Customer PO: 2000036047

Project ID:

Attention: USC Hazmat
University of South Carolina
743 Greene Street
Columbia, SC 29208

Phone: (803) 777-7000

Fax: (803) 777-3990

Received Date: 11/21/2017 9:15 AM

Analysis Date: 11/22/2017 - 11/28/2017

Collected Date: 11/15/2017

Project: Roost E - 199

Test Report: 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
1-Floor Tile <small>021707472-0001</small>	12x12 Gray Floor Tile/Mastic	Gray/Beige Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
1-Mastic <small>021707472-0001A</small>	12x12 Gray Floor Tile/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
2-Floor Tile <small>021707472-0002</small>	12x12 Gray Floor Tile/Mastic	Gray/Beige Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
2-Mastic <small>021707472-0002A</small>	12x12 Gray Floor Tile/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-Floor Tile <small>021707472-0003</small>	12x12 Gray Floor Tile/Mastic	Gray/Beige Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
3-Mastic <small>021707472-0003A</small>	12x12 Gray Floor Tile/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
4-Flooring <small>021707472-0004</small>	Black Grade Slate Vinyl/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-Mastic <small>021707472-0004A</small>	Black Grade Slate Vinyl/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-Flooring <small>021707472-0005</small>	Black Grade Slate Vinyl/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5-Mastic <small>021707472-0005A</small>	Black Grade Slate Vinyl/Mastic	Yellow/Orange Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
6-Flooring <small>021707472-0006</small>	Black Grade Slate Vinyl/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
6-Mastic <small>021707472-0006A</small>	Black Grade Slate Vinyl/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
7-Floor Tile <small>021707472-0007</small>	12x12 White Floor Tile/Mastic	Beige Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
7-Mastic <small>021707472-0007A</small>	12x12 White Floor Tile/Mastic	Yellow Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
8-Floor Tile <small>021707472-0008</small>	12x12 White Floor Tile/Mastic	Beige Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
8-Mastic <small>021707472-0008A</small>	12x12 White Floor Tile/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose <1% Synthetic	100% Non-fibrous (Other)	None Detected

Report amended: 11/28/2017 10:08:53 Replaces initial report from: 11/24/2017 15:13:53 Reason Code: Client-Samples Added



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Tel/Fax: (336) 992-1025 / (336) 992-4175

<http://www.EMSL.com> / greensborolab@emsl.com

EMSL Order: 021707472
Customer ID: UNSC62
Customer PO: 2000036047
Project ID:

Test Report: 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
9-Floor Tile <small>021707472-0009</small>	12x12 White Floor Tile/Mastic	Gray/Tan Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
9-Mastic <small>021707472-0009A</small>	12x12 White Floor Tile/Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
10 <small>021707472-0010</small>	Joint Compound	White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
11 <small>021707472-0011</small>	Joint Compound	White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
12 <small>021707472-0012</small>	Joint Compound	White Non-Fibrous Heterogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
13 <small>021707472-0013</small>	2x2 Ceiling Tile	Gray/Tan/Silver Fibrous Heterogeneous	5% Cellulose 80% Min. Wool	15% Non-fibrous (Other)	None Detected
14 <small>021707472-0014</small>	2x2 Ceiling Tile	Gray/Tan Fibrous Heterogeneous	5% Cellulose 80% Min. Wool	15% Non-fibrous (Other)	None Detected
15 <small>021707472-0015</small>	2x2 Ceiling Tile	Gray/White/Silver Fibrous Heterogeneous	5% Cellulose 80% Min. Wool	15% Non-fibrous (Other)	None Detected
16 <small>021707472-0016</small>	Joint Compound	White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
17 <small>021707472-0017</small>	Joint Compound	White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
18 <small>021707472-0018</small>	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
19 <small>021707472-0019</small>	Sheetrock Panels	Brown/Gray Fibrous Heterogeneous	5% Cellulose 1% Glass	94% Non-fibrous (Other)	None Detected
20 <small>021707472-0020</small>	Sheetrock Panels	Gray Non-Fibrous Homogeneous	2% Cellulose 1% Glass	97% Non-fibrous (Other)	None Detected
21 <small>021707472-0021</small>	Sheetrock Panels	Gray Fibrous Homogeneous	5% Cellulose 1% Glass	94% Non-fibrous (Other)	None Detected
22-Cove Base <small>021707472-0022</small>	Black Cove Base/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22-Mastic <small>021707472-0022A</small>	Black Cove Base/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose 3% Synthetic	97% Non-fibrous (Other)	None Detected
23-Cove Base <small>021707472-0023</small>	Black Cove Base/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23-Mastic <small>021707472-0023A</small>	Black Cove Base/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose 1% Synthetic	99% Non-fibrous (Other)	None Detected
24-Cove Base <small>021707472-0024</small>	Black Cove Base/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 021707472
Customer ID: UNSC62
Customer PO: 2000036047
Project ID:

Test Report: 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
24-Mastic <small>021707472-0024A</small>	Black Cove Base/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
25 <small>021707472-0025</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	25% Cellulose 1% Glass	74% Non-fibrous (Other)	None Detected
26 <small>021707472-0026</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	30% Cellulose 1% Glass	69% Non-fibrous (Other)	None Detected
27 <small>021707472-0027</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	12% Cellulose 1% Glass	87% Non-fibrous (Other)	None Detected
28 <small>021707472-0028</small>	Joint Compound	White Non-Fibrous Homogeneous	1% Cellulose	30% Ca Carbonate 69% Non-fibrous (Other)	None Detected
29 <small>021707472-0029</small>	Joint Compound	White Non-Fibrous Homogeneous	1% Cellulose	30% Ca Carbonate 69% Non-fibrous (Other)	None Detected
30 <small>021707472-0030</small>	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
31 <small>021707472-0031</small>	2x2 Ceiling Tile	Gray/White Fibrous Homogeneous	45% Cellulose 15% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected
32 <small>021707472-0032</small>	2x2 Ceiling Tile	Gray/White Fibrous Homogeneous	45% Cellulose 15% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected
33 <small>021707472-0033</small>	2x2 Ceiling Tile	Gray/White Fibrous Heterogeneous	50% Cellulose 10% Min. Wool	30% Perlite 10% Non-fibrous (Other)	None Detected
34 <small>021707472-0034</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	15% Cellulose 1% Glass	84% Non-fibrous (Other)	None Detected
35 <small>021707472-0035</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	15% Cellulose 1% Glass	84% Non-fibrous (Other)	None Detected
36 <small>021707472-0036</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	10% Cellulose 1% Glass	89% Non-fibrous (Other)	None Detected
37 <small>021707472-0037</small>	Joint Compound	White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
38 <small>021707472-0038</small>	Joint Compound	White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
39 <small>021707472-0039</small>	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
40-Cove Base <small>021707472-0040</small>	Gray Cove Base/Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
40-Mastic <small>021707472-0040A</small>	Gray Cove Base/Mastic	Brown/Yellow Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
40-Texture <small>021707472-0040B</small>	Gray Cove Base/Mastic	White/Beige Non-Fibrous Homogeneous	1% Cellulose	20% Ca Carbonate 77% Non-fibrous (Other)	2% Chrysotile

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<http://www.EMSL.com> / greensborolab@emsl.com

EMSL Order: 021707472
Customer ID: UNSC62
Customer PO: 2000036047
Project ID:

Test Report: 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
41-Cove Base <small>021707472-0041</small>	Gray Cove Base/Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
41-Mastic/Texture <small>021707472-0041A</small> <i>Insufficient Texture to Separate.</i>	Gray Cove Base/Mastic	Brown/White/Yellow Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	<1% Chrysotile
42-Cove Base <small>021707472-0042</small>	Gray Cove Base/Mastic	Gray Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
42-Mastic <small>021707472-0042A</small>	Gray Cove Base/Mastic	Brown/Tan Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
42-Texture <small>021707472-0042B</small>	Gray Cove Base/Mastic	Beige Non-Fibrous Heterogeneous	<1% Cellulose	10% Ca Carbonate 88% Non-fibrous (Other)	2% Chrysotile
43 <small>021707472-0043</small>	Pink Mastic	Yellow/Pink/Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
44 <small>021707472-0044</small>	Pink Mastic	Yellow/Pink/Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
45 <small>021707472-0045</small>	Pink Mastic	Yellow/Pink/Clear Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
46-Cove Base <small>021707472-0046</small>	Black Cove Base/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
46-Mastic <small>021707472-0046A</small>	Black Cove Base/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
47-Cove Base <small>021707472-0047</small>	Black Cove Base/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47-Mastic <small>021707472-0047A</small>	Black Cove Base/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
48-Cove Base <small>021707472-0048</small>	Black Cove Base/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48-Mastic <small>021707472-0048A</small>	Black Cove Base/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
49-Cove Base <small>021707472-0049</small>	Gray Cove Base/Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
49-Mastic/Texture <small>021707472-0049A</small> <i>Insufficient Texture to Separate.</i>	Gray Cove Base/Mastic	Brown/White/Yellow Non-Fibrous Heterogeneous	1% Cellulose	99% Non-fibrous (Other)	<1% Chrysotile
50-Cove Base <small>021707472-0050</small>	Gray Cove Base/Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
50-Mastic <small>021707472-0050A</small>	Gray Cove Base/Mastic	Brown/Yellow Non-Fibrous Heterogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected

Report amended: 11/28/2017 10:08:53 Replaces initial report from: 11/24/2017 15:13:53 Reason Code: Client-Samples Added



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EMSL Order: 021707472
Customer ID: UNSC62
Customer PO: 2000036047
Project ID:

Test Report: 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
50-Texture <small>021707472-0050B</small>	Gray Cove Base/Mastic	White/Beige Non-Fibrous Heterogeneous	<1% Cellulose	20% Ca Carbonate 77% Non-fibrous (Other)	3% Chrysotile
51-Cove Base <small>021707472-0051</small>	Gray Cove Base/Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
51-Mastic <small>021707472-0051A</small>	Gray Cove Base/Mastic	Brown/Beige Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
51-Texture <small>021707472-0051B</small>	Gray Cove Base/Mastic				Positive Stop (Not Analyzed)
52 <small>021707472-0052</small>	2x4 Ceiling Tile	Gray/White Fibrous Homogeneous	1% Cellulose 45% Min. Wool	10% Perlite 44% Non-fibrous (Other)	None Detected
53 <small>021707472-0053</small>	2x4 Ceiling Tile	Gray/White Fibrous Homogeneous	1% Cellulose 45% Min. Wool	10% Perlite 44% Non-fibrous (Other)	None Detected
54 <small>021707472-0054</small>	2x4 Ceiling Tile	Gray/White Fibrous Heterogeneous	1% Cellulose 70% Min. Wool	10% Perlite 19% Non-fibrous (Other)	None Detected
55 <small>021707472-0055</small>	2x2 Ceiling Tile	Gray Fibrous Homogeneous	1% Cellulose 65% Min. Wool	34% Non-fibrous (Other)	None Detected
56 <small>021707472-0056</small>	2x2 Ceiling Tile	Gray Fibrous Homogeneous	1% Cellulose 65% Min. Wool	34% Non-fibrous (Other)	None Detected
57 <small>021707472-0057</small>	2x2 Ceiling Tile	Gray/White Fibrous Heterogeneous	1% Cellulose 80% Min. Wool	10% Perlite 9% Non-fibrous (Other)	None Detected
58-Drywall <small>021707472-0058</small>	Sheetrock Panels	Brown/Gray Fibrous Heterogeneous	25% Cellulose 1% Glass	74% Non-fibrous (Other)	None Detected
58-Mastic <small>021707472-0058A</small>	Sheetrock Panels	Orange Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
59 <small>021707472-0059</small>	Sheetrock Panels	Brown/Gray Fibrous Heterogeneous	30% Cellulose 1% Glass	69% Non-fibrous (Other)	None Detected
60-Drywall <small>021707472-0060</small>	Sheetrock Panels	Brown/Gray Fibrous Heterogeneous	15% Cellulose 1% Glass	84% Non-fibrous (Other)	None Detected
60-Mastic <small>021707472-0060A</small>	Sheetrock Panels	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
61 <small>021707472-0061</small>	Joint Compound	White Non-Fibrous Homogeneous	1% Cellulose	30% Ca Carbonate 69% Non-fibrous (Other)	None Detected
62 <small>021707472-0062</small>	Joint Compound	White Non-Fibrous Homogeneous	1% Cellulose	30% Ca Carbonate 69% Non-fibrous (Other)	None Detected
63 <small>021707472-0063</small>	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
64 <small>021707472-0064</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	30% Cellulose 1% Glass	69% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
65 <small>021707472-0065</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	25% Cellulose 1% Glass	74% Non-fibrous (Other)	None Detected
66 <small>021707472-0066</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	10% Cellulose 1% Glass	89% Non-fibrous (Other)	None Detected
67-Cove Base <small>021707472-0067</small>	Covebase Black/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
67-Mastic <small>021707472-0067A</small>	Covebase Black/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
68-Cove Base <small>021707472-0068</small>	Covebase Black/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
68-Mastic <small>021707472-0068A</small>	Covebase Black/Mastic	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
69-Cove Base <small>021707472-0069</small>	Covebase Black/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
69-Mastic <small>021707472-0069A</small>	Covebase Black/Mastic	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
70 <small>021707472-0070</small>	Joint Compound	White Non-Fibrous Homogeneous	1% Cellulose	30% Ca Carbonate 69% Non-fibrous (Other)	None Detected
71 <small>021707472-0071</small>	Joint Compound	White Non-Fibrous Homogeneous	1% Cellulose	30% Ca Carbonate 69% Non-fibrous (Other)	None Detected
72 <small>021707472-0072</small>	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
73 <small>021707472-0073</small>	Pink Mastic	Pink Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
74 <small>021707472-0074</small>	Pink Mastic	Pink Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
75 <small>021707472-0075</small>	Pink Mastic	Pink Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
76 <small>021707472-0076</small>	Window Caulk Black	Brown Non-Fibrous Homogeneous	1% Cellulose <1% Synthetic	99% Non-fibrous (Other)	None Detected
77 <small>021707472-0077</small>	Window Caulk Black	Brown Non-Fibrous Homogeneous	1% Cellulose <1% Synthetic	99% Non-fibrous (Other)	None Detected
78 <small>021707472-0078</small>	Window Caulk Black	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
79 <small>021707472-0079</small>	Sheetrock	Brown/Gray/Purple Fibrous Heterogeneous	55% Cellulose 1% Glass	44% Non-fibrous (Other)	None Detected
80 <small>021707472-0080</small>	Sheetrock	Brown/Gray/Purple Fibrous Heterogeneous	30% Cellulose 1% Glass	69% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
81 <small>021707472-0081</small>	Sheetrock	Brown/Gray Fibrous Heterogeneous	10% Cellulose 1% Glass	89% Non-fibrous (Other)	None Detected
82 <small>021707472-0082</small>	Red Caulking	Orange Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
83 <small>021707472-0083</small>	Red Caulking	Orange Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
84 <small>021707472-0084</small>	Red Caulking	Red/Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
85 <small>021707472-0085</small>	Joint Compound	White Non-Fibrous Homogeneous	1% Cellulose	30% Ca Carbonate 69% Non-fibrous (Other)	None Detected
86 <small>021707472-0086</small>	Joint Compound	White Non-Fibrous Homogeneous	1% Cellulose	30% Ca Carbonate 69% Non-fibrous (Other)	None Detected
87 <small>021707472-0087</small>	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
88 <small>021707472-0088</small>	Red Floor Material	Yellow/Orange Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
89 <small>021707472-0089</small>	Red Floor Material	Yellow/Orange Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (Other)	None Detected
90 <small>021707472-0090</small>	Red Floor Material	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
91-Mastic <small>021707472-0091</small>	Floor Mastic	Yellow/Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
91-Leveler <small>021707472-0091A</small>	Floor Mastic	Gray/Tan Non-Fibrous Heterogeneous	1% Cellulose	30% Quartz 69% Non-fibrous (Other)	None Detected
92-Mastic <small>021707472-0092</small>	Floor Mastic	Yellow/Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
92-Leveler <small>021707472-0092A</small>	Floor Mastic	Gray/Tan Non-Fibrous Heterogeneous	1% Cellulose	30% Quartz 69% Non-fibrous (Other)	None Detected
93-Mastic <small>021707472-0093</small>	Floor Mastic	Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
93-Leveler <small>021707472-0093A</small>	Floor Mastic	Gray Fibrous Homogeneous	2% Cellulose	30% Quartz 68% Non-fibrous (Other)	None Detected
94 <small>021707472-0094</small>	Black Window Caulking	Brown/Black/Beige Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
95 <small>021707472-0095</small>	Black Window Caulking	Brown/Black/Beige Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
96 <small>021707472-0096</small>	Black Window Caulking	Brown/Black Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

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Test Report: 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
97-Top Mastic <small>021707472-0097</small>	Floor Tile 9x9/Mastic	Yellow/Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
97-Floor Tile <small>021707472-0097A</small>	Floor Tile 9x9/Mastic	Tan/Beige Non-Fibrous Homogeneous		25% Quartz 70% Non-fibrous (Other)	5% Chrysotile
97-Bottom Mastic <small>021707472-0097B</small>	Floor Tile 9x9/Mastic	Black Fibrous Homogeneous	2% Cellulose	88% Non-fibrous (Other)	10% Chrysotile
98-Top Mastic <small>021707472-0098</small>	Floor Tile 9x9/Mastic	Yellow/Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
98-Floor Tile <small>021707472-0098A</small>	Floor Tile 9x9/Mastic				Positive Stop (Not Analyzed)
98-Bottom Mastic <small>021707472-0098B</small>	Floor Tile 9x9/Mastic				Positive Stop (Not Analyzed)
99-Top Mastic <small>021707472-0099</small>	Floor Tile 9x9/Mastic	White/Yellow/Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
99-Floor Tile <small>021707472-0099A</small>	Floor Tile 9x9/Mastic				Positive Stop (Not Analyzed)
99-Bottom Mastic <small>021707472-0099B</small>	Floor Tile 9x9/Mastic				Positive Stop (Not Analyzed)
100 <small>021707472-0100</small>	White Caulking	Yellow/Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
101 <small>021707472-0101</small>	White Caulking	Yellow/Beige Non-Fibrous Homogeneous	1% Cellulose <1% Glass	99% Non-fibrous (Other)	None Detected
102 <small>021707472-0102</small>	White Caulking	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
103-Mastic <small>021707472-0103</small>	White Leveling Compound	Yellow/Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
103-Leveler <small>021707472-0103A</small>	White Leveling Compound	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	10% Quartz 90% Non-fibrous (Other)	None Detected
104 <small>021707472-0104</small>	White Leveling Compound	Yellow/Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
105 <small>021707472-0105</small>	White Leveling Compound	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	10% Quartz 90% Non-fibrous (Other)	None Detected

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Project ID:

Analyst(s)

Stephen Bennett (43)

Scott Combs (97)

Stephen Bennett, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

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Project ID:

Attention: USC Hazmat
University of South Carolina
743 Greene Street
Columbia, SC 29208

Phone: (803) 777-7000
Fax: (803) 777-3990
Received Date: 11/21/2017 9:15 AM
Analysis Date: 11/28/2017 - 11/29/2017
Collected Date: 11/15/2017

Project: Roost E - 199

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
3-Floor Tile 021707472-0003	12x12 Gray Floor Tile/Mastic	Gray/Beige Fibrous Homogeneous	100	None	No Asbestos Detected
3-Mastic 021707472-0003A	12x12 Gray Floor Tile/Mastic	Yellow Fibrous Homogeneous	100	None	No Asbestos Detected
6-Flooring 021707472-0006	Black Grade Slate Vinyl/Mastic	Black Fibrous Heterogeneous	100	None	No Asbestos Detected
6-Mastic 021707472-0006A	Black Grade Slate Vinyl/Mastic	Yellow Fibrous Heterogeneous	100	None	No Asbestos Detected
9-Floor Tile 021707472-0009	12x12 White Floor Tile/Mastic	Gray/Tan Fibrous Heterogeneous	100	None	No Asbestos Detected
9-Mastic 021707472-0009A	12x12 White Floor Tile/Mastic	Tan Fibrous Heterogeneous	100	None	No Asbestos Detected
24-Cove Base 021707472-0024	Black Cove Base/Mastic	Black Fibrous Heterogeneous	100	None	No Asbestos Detected
24-Mastic 021707472-0024A	Black Cove Base/Mastic	Yellow Fibrous Heterogeneous	100	None	No Asbestos Detected
42-Cove Base 021707472-0042	Gray Cove Base/Mastic	Gray Fibrous Heterogeneous	100	None	No Asbestos Detected
42-Mastic 021707472-0042A	Gray Cove Base/Mastic	Brown/Tan Fibrous Heterogeneous	100	None	No Asbestos Detected
45 021707472-0045	Pink Mastic	Yellow/Pink/Clear Fibrous Heterogeneous	100	None	No Asbestos Detected
48-Cove Base 021707472-0048	Black Cove Base/Mastic	Black Fibrous Heterogeneous	100	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Initial report from: 11/29/2017 08:30:25



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Project: Roost E - 199

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
48-Mastic 021707472-0048A	Black Cove Base/Mastic	Yellow Fibrous Heterogeneous	100	None	No Asbestos Detected
51-Cove Base 021707472-0051	Gray Cove Base/Mastic	Gray Fibrous Heterogeneous	100	None	No Asbestos Detected
51-Mastic 021707472-0051A	Gray Cove Base/Mastic	Brown/Beige Fibrous Heterogeneous	100	None	No Asbestos Detected
69-Cove Base 021707472-0069	Covebase Black/Mastic	Black Fibrous Heterogeneous	100	None	No Asbestos Detected
69-Mastic 021707472-0069A	Covebase Black/Mastic	Beige Fibrous Heterogeneous	100	None	No Asbestos Detected
75 021707472-0075	Pink Mastic	Pink Fibrous Heterogeneous	100	None	No Asbestos Detected
78 021707472-0078	Window Caulk Black	Brown Fibrous Heterogeneous	100	None	No Asbestos Detected
84 021707472-0084	Red Caulking	Red/Orange Fibrous Heterogeneous	100	None	No Asbestos Detected
90 021707472-0090	Red Floor Material	Tan Fibrous Heterogeneous	100	None	No Asbestos Detected
93-Mastic 021707472-0093	Floor Mastic	Clear Fibrous Heterogeneous	100	None	No Asbestos Detected
96 021707472-0096	Black Window Caulking	Brown/Black Fibrous Heterogeneous	100	None	No Asbestos Detected
99-Top Mastic 021707472-0099	Floor Tile 9x9/Mastic	White/Yellow/Clear Fibrous Heterogeneous	100	None	No Asbestos Detected

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Fax: (803) 777-3990
Received Date: 11/21/2017 9:15 AM
Analysis Date: 11/28/2017 - 11/29/2017
Collected Date: 11/15/2017
Project: Roost E - 199

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
102 021707472-0102	White Caulking	Beige Fibrous Heterogeneous	100	None	No Asbestos Detected

Analyst(s)

Stephen Bennett (25)

Stephen Bennett, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Initial report from: 11/29/2017 08:30:25

Reading No		Time	Type	Duration	Units	Sequence	Component	Substrate	Condition	Color	Site	Floor	Results
106	11/13/2017	8:12	PAINT	6.23	mg / cm ^2	Final	sheetrock	wall	good	white	Roost E		1 Negative
107	11/13/2017	8:13	PAINT	5	mg / cm ^2	Final	sheetrock	wall	good	white	Roost E		1 Negative
108	11/13/2017	8:13	PAINT	10.79	mg / cm ^2	Final	block walls	wall	good	white	Roost E		1 Negative
109	11/13/2017	8:13	PAINT	10.84	mg / cm ^2	Final	block walls	wall	good	red	Roost E		1 Negative
110	11/13/2017	8:40	PAINT	9.18	mg / cm ^2	Final	sheetrock	wall	good	gray	Roost E		1 Negative
111	11/13/2017	8:42	PAINT	8.74	mg / cm ^2	Final	block walls	wall	good	white	Roost E		1 Negative
112	11/13/2017	8:43	PAINT	4.6	mg / cm ^2	Final	block walls	wall	good	white	Roost E		1 Negative
113	11/13/2017	8:46	PAINT	4.57	mg / cm ^2	Final	metal	door frame	good	gray	Roost E		1 Negative
114	11/13/2017	8:46	PAINT	17.89	mg / cm ^2	Final	metal	railings	good	gray	Roost E		1 Negative
115	11/13/2017	9:02	PAINT	6.67	mg / cm ^2	Final	stair case	stairs	good	white	Roost E		1 Negative
116	11/13/2017	9:02	PAINT	1.67	mg / cm ^2	Final	block walls	wall	good	white	Roost E		2 Negative
117	11/13/2017	9:02	PAINT	9.95	mg / cm ^2	Final	block walls	wall	good	white	Roost E		2 Negative
118	11/13/2017	9:16	PAINT	0.42	mg / cm ^2	Final	metal	door frame	good	gray	roost e		2 Negative
119	11/13/2017	9:16	PAINT	4.58	mg / cm ^2	Final	metal	door frame	good	gray	Roost E		2 Negative
120	11/13/2017	9:17	PAINT	4.59	mg / cm ^2	Final	metal	door frame	good	gray	Roost E		2 Negative
121	11/13/2017	9:39	PAINT	6.64	mg / cm ^2	Final	sheetrock	wall	good	lavender	Roost E		2 Negative
123	11/15/2017	9:36	PAINT	6.64	mg / cm ^2	Final	block walls	wall	good	white	Roost E		2 Negative
124	11/15/2017	9:36	PAINT	7.07	mg / cm ^2	Final	block walls	walls	good	white	Roost E		2 Negative
125	11/15/2017	9:37	PAINT	5	mg / cm ^2	Final	sheetrock	walls	good	white	Roost E		2 Negative
126	11/15/2017	9:37	PAINT	5.83	mg / cm ^2	Final	metal	stair railings	good	gray	Roost E		2 Negative
127	11/15/2017	9:48	PAINT	6.65	mg / cm ^2	Final	metal	stair railings	good	gray	Roost E		2 Negative
128	11/15/2017	9:56	PAINT	6.67	mg / cm ^2	Final	sheetrock	walls	good	white	Roost E		2 Negative
129	11/15/2017	9:56	PAINT	7.88	mg / cm ^2	Final	block walls	walls	good	brown	Roost E		2 Negative
130	11/15/2017	9:57	PAINT	4.59	mg / cm ^2	Final	block walls	walls	good	white	Roost E		2 Negative
131	11/15/2017	9:57	PAINT	5.79	mg / cm ^2	Final	metal	door frame	good	brown	Roost E		2 Negative
132	11/15/2017	10:02	PAINT	7.07	mg / cm ^2	Final	metal	door frame	good	brown	Roost E		2 Negative
133	11/15/2017	10:02	PAINT	7.91	mg / cm ^2	Final	ceramic tile	walls	good	white	Roost E		2 Negative
134	11/15/2017	10:02	PAINT	4.57	mg / cm ^2	Final	ceramic tile	walls	good	white	Roost E		2 Negative
135	11/15/2017	10:03	PAINT	4.54	mg / cm ^2	Final	ceramic tile	floors	good	gray	Roost E		2 Negative
136	11/15/2017	10:21	PAINT	6.66	mg / cm ^2	Final	ceramic tile	floors	good	gray	Roost E		2 Negative
137	11/15/2017	10:44	PAINT	4.58	mg / cm ^2	Final	sheetrock	wall	good	red	Roost E		2 Negative
138	11/15/2017	10:44	PAINT	4.58	mg / cm ^2	Final	sheetrock	wall	good	red	Roost E		2 Negative
139	11/15/2017	10:44	PAINT	2.5	mg / cm ^2	Final	sheetrock	wall	good	red	Roost E		2 Negative
140	11/15/2017	10:51	PAINT	4.57	mg / cm ^2	Final	block walls	wall	good	red	Roost E		2 Negative
141	11/15/2017	10:51	PAINT	4.55	mg / cm ^2	Final	block walls	wall	good	red	Roost E		2 Negative
142	11/15/2017	10:52	PAINT	7.48	mg / cm ^2	Final	ceramic tile	wall	good	beige	Roost E		2 Negative
143	11/15/2017	10:52	PAINT	7.88	mg / cm ^2	Final	ceramic tile	floor	good	beige	Roost E		2 Negative
144	11/15/2017	10:53	PAINT	8.29	mg / cm ^2	Final	ceramic tile	floor	good	beige	Roost E		2 Negative
144	11/15/2017	10:53	PAINT	8.29	mg / cm ^2	Final	ceramic tile	floor	good	beige	Roost E		2 Negative