

University of South Carolina  
Russell House Leadership and Service Center Renovation  
Columbia, SC

Architect's Project No. 14.150.00  
Addendum No. 1

Quackenbush Architects + Planners  
1217 Hampton Street  
Columbia, South Carolina 29201

June 10, 2014

**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 Where any original item is amended, voided or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

**ATTACHMENTS**

Documents: Pre-Bid Meeting Sign-in Sheet.

**GENERAL**

1. Listing of multiple products or manufacturers within specifications or approval of products or manufacturers via substitution request does not waive or preclude any and all performance, warranty or specific requirements listed within the specification unless specifically noted in the Addendum. Only manufacturers and products meeting the specification requirements and listed in the specifications or included in the Addendum shall be approved for the project.
2. Additional Site Visits are available for contractors and subcontractors during the following dates and times. Meet outside of Leadership and Service Center construction space on 2nd floor of Russell House.
  - a. Thursday, June 12 at 9am (Ed Short will host)
  - b. Monday, June 16 at 1pm (Kim McMahon will host)

**PROJECT MANUAL**

**Item No.**    **Description**

1.            Reference specification section 011000.1.11.C and replace with the following:
  - C.        Building Schedule / Hours:
    1.        Contractor is permitted 24/7 access to the building to complete the project within the project time. Access during non-building hours shall be coordinated with Owner. Deliveries are permitted before and after building hours with appropriate notice and Owner Coordination. Due to the site restrictions and traffic, deliveries during building hours shall be limited.

2. Building hours – July 7-August 8, 2014:
    - a. Monday and Wednesdays: 7am-10pm
    - b. Tuesday, Thursday and Friday: 7am-6pm
    - c. Saturday/Sunday: Closed
  3. Building hours – Fall Semester:
    - a. August 9-10: Closed
    - b. August 11-13: 7am-9pm
    - c. Monday and Wednesdays: 7am-10pm
    - d. Tuesday, Thursday and Friday: 7am-Midnight
    - e. Saturday/Sunday: 8:30am-Midnight
  4. All work that may impact building and adjacent occupants shall be coordinated in advance with Owner's schedule. Utility disruption and work in adjacent spaces may be required to be done in off hours and/or in multiple phases to avoid disruption to building occupants. Adjacent occupants are food service and additional care shall be taken to manage dust and debris during the entire project.
  5. Due to high student traffic, no external construction work to the renovation space (including deliveries or loading/unloading) will be permitted on the following dates: Friday, August 15<sup>th</sup> and Saturday, August 16.
2. Reference specification section 011000 and the following:
- 1.19 ASBESTOS AND HAZARDOUS MATERIAL
- A. A copy of the Hazmat Survey is attached to ADDENDUM NO.1. This survey report is for Information Only. Contractor's Bids shall not include any abatement costs.

## DRAWINGS

<u>Item No.</u>	<u>Description</u>
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- |    |   |
|----|---|
| 1. | Reference Sheet M1.1 and add the following general notes associated with Alternate No.3:<br><br>General Contractor shall be responsible for temporary construction barriers (floor to ceiling) to separate and protect the adjacent wall and all associated equipment that serves adjacent restaurant to remain open. Coordinate placement with Owner and architect on site to maintain proper access to fountain drink supply boxes and other equipment.<br><br>General Contractor shall be responsible protection of all existing data equipment located in data closet at (under) location of new grease duct floor penetration. |
|----|---|

END OF ADDENDUM NO.1



UNIVERSITY OF  
SOUTH CAROLINA

Russell House Leadership & Service Center Renovation  
Non mandatory pre-bid  
June 9 @ 1:30 pm at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME	COMPANY NAME & MAILING ADDRESS
Lind Jackson JEFF ABRAMS	UNIV OF SC
	PH#
	FAX#
Kim McManan <sup>EMAIL</sup>	RHLL - USC
	PH# 777-3889
	FAX# 777- <del>3889</del> 1125
Cleve Walker <sup>EMAIL</sup>	kcmanan@sc.edu Quackenbush Architects
	PH# 803 771 2999
	FAX#
	EMAIL cwalker@quackenbusharchitects.com

**ADDENDA WILL BE EMAILED PLEASE PRINT CLEARLY**



UNIVERSITY OF  
SOUTH CAROLINA

Russell House Leadership & Service Center Renovation  
Non mandatory pre-bid  
June 9 @ 1:30 pm at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

Kelsey Graddon

MSK Construction Inc  
1920 Dunbar St Suite D  
Charleston, SC 29407  
PH# 843-789 3116  
FAX# 888 942 4344

Mills Cabbage

EMAIL Kelsey@MSKConstructioninc.com  
MSK construction INC

PH# 11

FAX# Mills@MSKconstructioninc.com

EMAIL ~~mills@cabbage@msk-co~~

PH#

FAX#

EMAIL

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June 9 @ 1:30 pm at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

LAW POWERS

PYRAMID CONTRACTING

1100 A LYKES LANE

IRMO, SC 29063

PH# 803-732-2050

FAX# 803-732-6801

EMAIL WADE@PYRAMIDCONTRACTING.COM

Wendy Bernstein

Quackenbush Arch + Planners

1217 Hampton Street

Columbia, SC 29201

PH# 803-771-2999

FAX#

EMAIL wbernstani@quackenbusharchitects.com

PH#

FAX#

EMAIL

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U N I V E R S I T Y O F  
SOUTH CAROLINA

Russell House Leadership & Service Center Renovation  
Non mandatory pre-bid  
June 9 @ 1:30 pm at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

JIM ROYSTER

MASHBURN CONSTRUCTION CO.

PH# 803-400-1000

FAX#

EMAIL JROYSTER@MASHBURNCONSTRUCTION.COM

CASHION ELECTRICIANS, INC.

PH# 803-779-7210

FAX# 803-752-0417

EMAIL ECASHION@BELL SOUTH.NET

PH#

FAX#

EMAIL

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UNIVERSITY OF  
**SOUTH CAROLINA**

**Russell House Leadership & Service Center Renovation**  
**Non mandatory pre-bid**  
**June 9 @ 1:30 pm at 743 Greene St., Cola, SC 29208**

ATTENDEE'S NAME	COMPANY NAME & MAILING ADDRESS
<u>Frank Sprinkle</u>	<u>Lindler Construction</u> <u>531 South Edisto</u> <u>Columbia SC</u> <u>PH# 803 252 9948</u> <u>FAX# 803 779 3609</u> <u>EMAIL hos1@bellsouth.net</u>
<u>CHUCK SENAR</u>	<u>PENN CONTRACTING LLC</u> <u>P.O. Box 204</u> <u>Balletine, SC 29102</u> <u>PH# 803 407 9724</u> <u>FAX# 803 781 4142</u> <u>EMAIL BOB@PENNCONTRACTING.COM</u>
<u>JASON PROUSE</u>	<u>Hammer Construction</u> <u>785 HAMMON CREEK WAY</u> <u>COLUMBIA 29209</u> <u>PH# 803-783-7033</u> <u>FAX# 803. 783. 7035</u> <u>EMAIL JASON@HAMMORLLC.COM</u>

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UNIVERSITY OF  
**SOUTH CAROLINA**

**Russell House Leadership & Service Center Renovation**  
Non mandatory pre-bid  
June 9 @ 1:30 pm at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

JAMES SHERRY

USC STUDENT AFFAIRS

PH# 803-777-5719

FAX# 803-777-4349

EMAIL JSHERRY@MAILBOX.SC.EDU

Mike Herndon

Weber Construction Co Inc

P O Box 508

Ballentine SC 29002

PH# 781-0473

FAX# 781-0485

EMAIL mherndonweberco@bellsouth.net

PH#

FAX#

EMAIL

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June 9 @ 1:30 pm at 743 Greene St., Cola, SC 29208

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

Charlie White

FB: Construction  
PO Box 4501  
Florence SC 29502  
PH# 843-665-0408  
FAX# 843-665-2117

EMAIL Charlie.White@fbconstruction.com

Jeff Brannon

USC - Hazmat

PH# (803) 917-4387

FAX#

EMAIL brannonm@fuc.sc.edu

PH#

FAX#

EMAIL

**ADDENDA WILL BE EMAILED PLEASE PRINT CLEARLY**



EMSL ANALYTICAL, INC.  
LABORATORY • PRODUCTS • TRAINING

### Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

021402967

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

<b>Company:</b> University of South Carolina		<b>EMSL-Bill to:</b> <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
<b>Street:</b> 743 Greene Street		Third Party Billing requires written authorization from third party	
<b>City:</b> Columbia	<b>State/Province:</b> SC	<b>Zip/Postal Code:</b> 29208	<b>Country:</b> US
<b>Report To (Name):</b> USC Hazmat		<b>Telephone #:</b> 803-509-3376	
<b>Email Address:</b> asbestos@mailbox.sc.edu		<b>Fax #:</b>	<b>Purchase Order:</b>
<b>Project Name/Number:</b> Russell House		<b>Please Provide Results:</b> <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
<b>U.S. State Samples Taken:</b> SC		<b>CT Samples:</b> <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

**Turnaround Time (TAT) Options\* – Please Check**

3 Hour     6 Hour     24 Hour     48 Hour     72 Hour     96 Hour     1 Week     2 Week

\*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.

**PLM - Bulk (reporting limit)**

- PLM EPA 600/R-93/116 (<1%)
- PLM EPA NOB (<1%)
- Point Count  400 (<0.25%)  1000 (<0.1%)
- Point Count w/Gravimetric  400 (<0.25%)  1000 (<0.1%)
- NIOSH 9002 (<1%)
- NY ELAP Method 198.1 (friable in NY)
- NY ELAP Method 198.6 NOB (non-friable-NY)
- OSHA ID-191 Modified
- Standard Addition Method

**TEM – Bulk**

- TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
- NY ELAP Method 198.4 (TEM)
- Chatfield Protocol (semi-quantitative)
- TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
- TEM Qualitative via Filtration Prep Technique
- TEM Qualitative via Drop Mount Prep Technique

**Other**

Check For Positive Stop – Clearly Identify Homogenous Group

Date Sampled:

Samplers Name:

Samplers Signature:

Sample #	HA #	Sample Location	Material Description

<b>Client Sample # (s):</b>	-	<b>Total # of Samples:</b>	15
<b>Relinquished (Client):</b>		<b>Date:</b>	
<b>Received (Lab):</b>	SF	<b>Date:</b>	6/2/14
<b>Comments/Special Instructions:</b>	fx 7900 0696 8257		



Reset Form

Print Form

Building # 112 - RUSSELL HOUSE

Sample Analysis Type of Analysis: Lead / Asbestos

Date: 5/30/14

Turn Around Time 24 HOUR

2967

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	GRAY 12X12 FLOOR TILE	ROOM 227Z	NF	GOOD	<150 SQ FT	LOW
A	2	GRAY 12X12 FLOOR TILE	ROOM 227Z	NF	GOOD	<150 SQ FT	LOW
A	3	GRAY 12X12 FLOOR TILE	ROOM 227Z	NF	GOOD	<150 SQ FT	LOW
B	4	BLACK 12X12 FLOOR TILE	ROOM 227P	NF	GOOD	<120 SQ FT	LOW
B	5	BLACK 12X12 FLOOR TILE	ROOM 227P	NF	GOOD	<120 SQ FT	LOW
B	6	BLACK 12X12 FLOOR TILE	ROOM 227P	NF	GOOD	<120 SQ FT	LOW
C	7	GRAY FLOOR LEVELER	ROOM 227B	F	GOOD	<1000 SQ FT	LOW
C	8	GRAY FLOOR LEVELER	ROOM 227P	F	GOOD	<1000 SQ FT	LOW
C	9	GRAY FLOOR LEVELER	ROOM 227P	F	GOOD	<1000 SQ FT	LOW
D	10	BROWN VINYL BASE/ MASTIC	ROOM 227P	NF	GOOD	<50 LIN FT	LOW

License # BL-01296 FM# 00424639 Signature E. Melano Requestor J. ABRAMS

Send lab results in PDF and CSV format as soon as possible to: [asbestos@mailbox.s.c.edu](mailto:asbestos@mailbox.s.c.edu)

Reset Form

Print Form



2907

Building # 112 - RUSSELL HOUSE

Type of Analysis: Lead / Asbestos

Date:

Turn Around Time 24 HOUR

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
D	11	BROWN VINYL BASE/ MASTIC	ROOM 227P	NF	GOOD	<50 LIN FT	LOW
D	12	BROWN VINYL BASE/ MASTIC	ROOM 227P	NF	GOOD	<50 LIN FT	LOW
E	13	WHITE DUCT MASTIC	1ST FLOOR OVER PANDINI'S	NF	GOOD	<150 SQ FT	LOW
E	14	WHITE DUCT MASTIC	1ST FLOOR OVER PANDINI'S	NF	GOOD	<120 SQ FT	LOW
E	15	WHITE DUCT MASTIC	1ST FLOOR OVER PANDINI'S	NF	GOOD	<120 SQ FT	LOW

License # BI-01296

FM# 00424639

Signature

Requestor J. ABRAMS

Send lab results in PDF and CSV format as soon as possible to: asbestos@mailbox.sc.edu

Description HAZMAT SURVEY - BLDG 112

<b>Site</b>	COLUMBIA	<b>Assigned To</b>	JPROVENCE
<b>Building</b>	112 RUSSELL HOUSE	<b>Crew</b>	HAZMAT
<b>Floor</b>	02	<b>Room:</b>	227
<b>Equipment</b>		<b>Start Date</b>	<b>Priority</b> 2
		<b>Due date</b>	09-AUG-13
		<b>Request Date</b>	24-APR-13
		<b>by</b>	CAMOORE

<b>Request #</b>	FM00424639	<b>Description</b>	HAZMAT SURVEY - BLDG 112
<b>Parent WO #</b>			

<b>CP Number</b>	CP00376277	<b>Description</b>	RH CAMPUS LIFE CENTER UPGRADES
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<b>State/Internal Project Number</b>	H27-Z103
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<b>Requestor</b>	MERGNER,CHRIS	<b>Project Manager</b>	ABRAMS, JEFFREY R
<b>Telephone</b>		<b>Telephone</b>	777-3594
<b>Alternate</b>		<b>Estimated Cost</b>	\$ 1,080.00
<b>Telephone</b>		<b>Billing</b>	FIXED PRICE
<b>Non-Available Time</b>		<b>53100-W619-57120</b>	(RH CAMPUS LIFE CENTER RENO FEAS STUDY)

**Task List**

8-AUG-2013: PLEASE SEE EXISTING AND PROPOSED AREAS TO BE DEMOLISHED (FLOOR PLANS), TO FOLLOW UNDER A SEPERATE COVER. FOR MORE INFO, PLEASE CONTACT CHRIS MERGNER @ 7-4569

PLEASE COORDINATE WITH KIM MCMAHON FOR AREAS TO SURVEY.

CHECK ALL THAT APPLY AND PROVIDE ADDITIONAL INFORMATION AS NEEDED)

HAZMAT SURVEY(S) REQUESTED FOR THE FOLLOWING

- FLOOR TILE
- JOINT COMPOUND
- WALLS
- MASTIC
- CEILING TILE
- PIPE INSULATION
- VINYL SHEET FLOORING
- FIREPROOFING
- FUME HOODS/TABLE TOPS
- ROOFING MATERIALS
- FIRE DOORS
- GASKETS/VALVES
- BOILER INSULATION
- ACOUSTICAL POPCORN CEILING
- DUCT WORK
- OTHER (PLEASE DESCRIBE BELOW)

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

Supervisor's Approval \_\_\_\_\_

Note	Date	Title
11-OCT-13		HAZMAT SURVEY RESULTS
SURVEY DATE:9/19/13		
INSPECTOR #: DARRYL WASHINGTON II BI-00568		
STATUS: THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS AND LEAD RESULTS FOLLOWS		
BLACK HVAC DUCT MASTIC - POSITIVE FOR ASBESTOS CONTAINING MATERIALS ( RM 227 I MECH RM )		
FOAM GLASS INSULATION WITH BLK MASTIC - POSITIVE FOR ASBESTOS CONTAINING MATERIALS ( RM 227 I MECH RM )		
FLOOR TILE AND MASTIC ( RM 227 W )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
BROWN STAIR TREADS AND GLUE- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS ( STORAGE RM 227 M )		
BROWN VINYL BASE MOLDING / GLUE ( ENTIRE SUITE )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
JOINT COMPOUND ( ENTIRE SUITE )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
SHEET ROCK ( ENTIRE SUITE )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
PLASTER WALL MATERIALS ( CENTER OF SUITE 227 IN BETWEEN CONCRETE COLUMNS )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
TEXTURED CEILING TILE- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS ( ENTIRE SUITE )		
TAN HVAC DUCT MASTIC ( ABOVE CEILING ENTIRE SUITE )- NEGATIVE FOR LEAD PAINT		
BROWN HVAC DUCT MASTIC ( 227 I )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
HVAC DUCT INSULATION ( 227 X )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
SHEET ROCK ( CEILING SOFFIT AT ENTRANCE )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
JOINT COMPOUND ( CEILING SOFFIT AT ENTRANCE )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
2X2 CEILING TILE ( CEILING JOINED AT SOFFIT AT ENTRANCE )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
SHEET ROCK ( SW ENTRANCE OF LOBBY @ PRESTONS DINING )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
JOINT COMPOUND ( SW ENTRANCE OF LOBBY @ PRESTONS DINING )- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS		
WHITE WALL PAINT- NEGATIVE FOR LEAD PAINT		
BEIGE WALLS- NEGATIVE FOR LEAD		
WHITE DOOR FRAMES- NEGATIVE FOR LEAD		
BROWN CERAMIC FLOOR PAINT- NEGATIVE FOR LEAD		

## INSPECTORS;

ASBESTOS BLACK MASTIC WAS DETECTED ON THE BACKING OF SOME CARPET IN THIS SUITE.

NO SUSPECT MATERIALS WAS DETECTED ABOVE THE CEILING IN SUITE 227.

INSPECTORS DID NOT PULL ANY SAMPLES OF THE CAULKING OF THE EXTERIOR WINDOWS, AND WHEN PROJECT STARTS UP OR DURING A BREAK INSPECTORS CAN TEST ACCORDINGLY.

INSPECTORS COULD NOT ACCESS THE SMALL CHASE DUE TO ITEMS IN THE WAY. ONCE CLEARED INSPECTORS CAN GO BACK AND CHECK CHASE ACCORDINGLY

IF YOU ENCOUNTER ANY SUSPECT MATERIALS IN PLACE AND DEEM IT SUSPECT FOR ASBESTOS AND OR LEAD AND IT IS NOT LISTED ABOVE PLEASE STOP WORK AND CALL THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING OR ABATEMENT

REFER TO THE SURVEY RESULTS DOCUMENT ATTACHED TO THE WO FOR DETAILED INFORMATION.

**05-JUN-14 HAZMAT SURVEY RESULTS**

SURVEY DATE: 5/30/14

INSPECTOR #: ERIC MELARO (BI-01296) AND JEFF BRANNON (GR-00052)

STATUS: INSPECTORS WENT ON SITE AND REVIEWED THE POSSIBLE REROUTING OF THE GREASE DUCT FOR THIS PROJECT WITH KIM MCMAHON. INSPECTORS ALSO FURTHER INVESTIGATED THE CARPET REMOVAL THAT WILL TAKE PLACE AS PART OF THIS PROJECT.

THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS AND THE RESULTS FOLLOW:

WHITE DUCT MASTIC (ABOVE CEILING GRID IN PANDINI'S) – NEGATIVE FOR ASBESTOS

GRAY 12 X 12 FLOOR TILE / MASTIC (UNDER CARPET IN ROOM 227Z) – NEGATIVE FOR ASBESTOS

BLACK 12 X 12 FLOOR TILE / MASTIC (UNDER CARPET IN ROOM 227P) – NEGATIVE FOR ASBESTOS

GRAY FLOOR LEVELER (UNDER CARPET IN ROOMS 227B AND 227P) – NEGATIVE FOR ASBESTOS

BROWN VINYL BASE / MASTIC (ROOM 227P) – NEGATIVE FOR ASBESTOS

## INSPECTOR'S NOTES:

NO OTHER SUSPECT MATERIALS WERE OBSERVED ABOVE THE CEILING GRID IN PANDINI'S THAT WOULD BE AFFECTED BY THE REROUTING OF THE GREASE DUCT.

IF YOU ENCOUNTER ANY OTHER MATERIALS IN PLACE AND DEEM THEM SUSPECT FOR ASBESTOS AND/OR LEAD, PLEASE STOP WORK AND CONTACT THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING OR ABATEMENT.

PLEASE NOTE THAT THE 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.

REFER TO THE SURVEY RESULTS ATTACHED TO THE WORK ORDER FOR DETAILED INFORMATION.

**08-APR-04 ASBESTOS MAY BE PRESENT IN THIS BUILDING**

WARNING - ASBESTOS EXPOSURE ALERT - EXPOSURE TO ASBESTOS MAY BE HARMFUL TO YOUR HEALTH.

AS OF 4/1/2004 THE FOLLOWING AREAS WITHIN THE BUILDING HAVE BEEN IDENTIFIED BY SURVEY TO CONTAIN ASBESTOS:

BLDG 112 RUSSELL HOUSE

2ND & 3RD FLOOR LOUNGES & IN STAIRWELL --> CONCRETE SLAB CEILINGS & WALLS [12,000 SQ. FT.]

--> STEAM & HOT WATER & CONDENSATE ELBOWS [50 LIN. FT.]

MECHANICAL RM --> STEAM PIPE HOT WATER TANK KITCHEN & PIPING TO HVAC [800 LIN. FT.]

BASEMENT MECHANICAL RM --> HOT WATER PIPE [200 LIN. FT.]

LOWER LEVEL MECHANICAL RM --> HOT WATER TANK [200 SQ. FT.]

BASEMENT MECH. ROOM, 2ND FLOOR MECH. ROOM, 3RD FLOOR MECH. ROOM --> CHILL WATER PIPE [400 LIN. FT.]

PLEASE NOTE - IDENTIFICATION OF ASBESTOS CONTAINING COMPONENTS WITHIN THIS STRUCTURE DOES NOT SPECIFICALLY EXCLUDE THE PRESENCE OF ASBESTOS WITHIN OTHER AREAS.

THE FOLLOWING COMMON TYPES OF BUILDING COMPONENTS COULD CONTAIN MATERIALS THAT, WHEN DISTURBED, MIGHT EXPOSE YOU TO ASBESTOS:

1. FLOOR TILE
2. PIPE INSULATION
3. BLACK MASTIC
4. HVAC DUCT MASTIC
5. SPRAYED-ON FIREPROOFING
6. SPRAYED-ON CEILINGS
7. SHEETROCK JOINT COMPOUND

BEFORE DISTURBING THESE TYPES OF COMPONENTS, CONFIRM THAT THEY DO NOT CONTAIN ASBESTOS AND TAKE PROPER PRECAUTIONS AT ALL TIMES.

**25-OCT-13 ASBESTOS IN JOINT COMPOUND**

ASBESTOS CONTAINING JOINT COMPOUND HAS BEEN FOUND IN THIS BUILDING. DO NOT CUT, SAND OR DRILL WALLS. FOR FURTHER INFORMATION OR ASSISTANCE, PLEASE CONTACT THE USC HAZMAT PROGRAM.

**12-AUG-10 2009-09-23 BLDG COMPONENT ASBESTOS/LEAD EXPOSURE UPDATE**

BELOW ARE THE ASBESTOS AND LEAD TESTING RESULTS FOR THE RUSSELL HOUSE:

SHEET ROCK: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

JOINT COMPOUND: POSITIVE FOR ASBESTOS CONTAINING MATERIALS

2X2 WHITE CEILING TILE: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

WHITE WALL PAINT (HOMOGENIUS): NEGATIVE FOR LEAD BASE PAINT

THE RUSSELL HOUSE HAS NUMEROUS AMOUNTS OF FLOOR TILE IN PLACE AND ALL SHOULD ASSUME IT TO BE POSITIVE FOR ASBESTOS CONTAINING MATERIALS. THE MASTIC THAT HOLDS IT TO THE FLOOR IS ALSO POSITIVE FOR ASBESTOS.

THERE IS PIPE INSULATION THAT IS HARD AND WHITE IN COLOR THAT IS POSITIVE FOR ASBESTOS CONTAINING MATERIAL

THE BLACK MASTIC ON HVAC DUCTS AND ON LINES ABOVE THE CEILING IS ALSO POSITIVE FOR ASBESTOS.

NO DRILLING INTO THE WALL MATERIAL UNLESS YOU CAN DETERMINE WHERE THE JOINTS ARE LOCATED

IF YOU AND/ OR CONTRACTORS NEED TO DISTURB ANY MATERIALS YOU DEEM SUSPECT THAT ARE NOT LISTED ABOVE, STOP WORK AND CONTACT THE ASBESTOS PROGRAM MANAGER, 777-1208. IF YOU NEED TO DISTURB ANY MATERIAL LISTED AS POSITIVE, YOU MUST CONTACT THE ASBESTOS PROGRAM MANAGER TO ARRANGE FOR REMOVAL. THIS INFORMATION MUST BE PASSED ALONG TO ALL CONTRACTORS, SUB-CONTRACTORS, AND INDIVIDUALS WORKING IN THIS BUILDING





# EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284

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

<http://www.EMSL.com>

[greensborolab@emsl.com](mailto:greensborolab@emsl.com)

EMSL Order:	021402967
CustomerID:	UNSC62
CustomerPO:	
ProjectID:	

Attn: <b>Darryl Washington</b> <b>University of South Carolina</b> <b>743 Greene Street</b> <b>Columbia, SC 29208</b>	Phone: (803) 777-7000 Fax: (803) 777-3990 Received: 06/02/14 10:15 AM Analysis Date: 6/3/2014 Collected:
Project: <b>Building 112- Russell House</b>	

## 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 <i>021402967-0001</i>	Gray Floor Tile	Gray/Tan Non-Fibrous Homogeneous		5% Quartz 20% Ca Carbonate 75% Non-fibrous (other)	<b>None Detected</b>
1-Mastic <i>021402967-0001A</i>	Gray Floor Tile	Green Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
2-Floor Tile <i>021402967-0002</i>	Gray Floor Tile	Gray/Tan Non-Fibrous Homogeneous		5% Quartz 20% Ca Carbonate 75% Non-fibrous (other)	<b>None Detected</b>
2-Mastic <i>021402967-0002A</i>	Gray Floor Tile	Green Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
3-Floor Tile <i>021402967-0003</i>	Gray Floor Tile	Gray/Tan Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (other)	<b>None Detected</b>
3-Mastic <i>021402967-0003A</i>	Gray Floor Tile	Green Non-Fibrous Homogeneous	1% Synthetic <1% Cellulose	99% Non-fibrous (other)	<b>None Detected</b>
4-Floor Tile <i>021402967-0004</i>	Black Floor Tile	Black Non-Fibrous Homogeneous		5% Quartz 20% Ca Carbonate 75% Non-fibrous (other)	<b>None Detected</b>
4-Mastic <i>021402967-0004A</i>	Black Floor Tile	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>

Analyst(s)  
 \_\_\_\_\_  
 Kristie Elliott (16)  
 Scott Combs (8)

  
 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

Initial report from 06/03/2014 08:34:39

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

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

<http://www.EMSL.com>[greensborolab@emsl.com](mailto:greensborolab@emsl.com)

EMSL Order:	021402967
CustomerID:	UNSC62
CustomerPO:	
ProjectID:	

Attn: **Darryl Washington**  
**University of South Carolina**  
**743 Greene Street**  
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Project: **Building 112- Russell House**

## 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
5-Floor Tile <i>021402967-0005</i>	Black Floor Tile	Black Non-Fibrous Homogeneous		5% Quartz 20% Ca Carbonate 75% Non-fibrous (other)	<b>None Detected</b>
5-Mastic <i>021402967-0005A</i>	Black Floor Tile	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
6-Floor Tile <i>021402967-0006</i>	Black Floor Tile	Black Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (other)	<b>None Detected</b>
6-Mastic <i>021402967-0006A</i>	Black Floor Tile	Yellow Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
7 <i>021402967-0007</i>	Gray Floor Leveler	Gray Non-Fibrous Homogeneous	1% Cellulose	99% Non-fibrous (other)	<b>None Detected</b>
8 <i>021402967-0008</i>	Gray Floor Leveler	Gray Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (other)	<b>None Detected</b>
9 <i>021402967-0009</i>	Gray Floor Leveler	Gray/Tan Non-Fibrous Heterogeneous	1% Cellulose	99% Non-fibrous (other)	<b>None Detected</b>
10-Cove Base <i>021402967-0010</i>	Brown Vinyl Base/ Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>

Analyst(s)  
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 Scott Combs (8)

  
 Stephen Bennett, Laboratory Manager  
 or other approved signatory

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Project: **Building 112- Russell House**

## 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
10-Mastic <i>021402967-0010A</i>	Brown Vinyl Base/ Mastic	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
11-Cove Base <i>021402967-0011</i>	Brown Vinyl Base/ Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
11-Mastic <i>021402967-0011A</i>	Brown Vinyl Base/ Mastic	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
12-Cove Base <i>021402967-0012</i>	Brown Vinyl Base/ Mastic	Brown Non-Fibrous Homogeneous		100% Non-fibrous (other)	<b>None Detected</b>
12-Mastic <i>021402967-0012A</i>	Brown Vinyl Base/ Mastic	Cream Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	<b>None Detected</b>
13 <i>021402967-0013</i>	White Duct Mastic	Cream Non-Fibrous Homogeneous	1% Cellulose 1% Wollastonite	98% Non-fibrous (other)	<b>None Detected</b>
14 <i>021402967-0014</i>	White Duct Mastic	Cream Non-Fibrous Homogeneous	<1% Cellulose 2% Wollastonite	98% Non-fibrous (other)	<b>None Detected</b>
15 <i>021402967-0015</i>	White Duct Mastic	Beige Non-Fibrous Homogeneous	1% Wollastonite <1% Cellulose	99% Non-fibrous (other)	<b>None Detected</b>

Analyst(s)  
 \_\_\_\_\_  
 Kristie Elliott (16)  
 Scott Combs (8)

  
 Stephen Bennett, Laboratory Manager  
 or other approved signatory

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**EMSL Analytical, Inc.**

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 Phone/Fax: (336) 992-1025 / (336) 992-4175  
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**Columbia, SC 29208**


Phone: (803) 777-7000  
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 Received: 06/03/14 10:15 AM  
 Analysis Date: 6/4/2014  
 Collected:

Project: **Building 112- Russell House**

**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 021402967-0016		Gray /Tan Non-Fibrous Homogeneous	100	None	No Asbestos Detected
3-Mastic 021402967-0017		Green Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
6-Floor Tile 021402967-0018		Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
6-Mastic 021402967-0019		Yellow /Green Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
12-Cove Base 021402967-0020		Brown Non-Fibrous Homogeneous	100	None	No Asbestos Detected
12-Mastic 021402967-0021		Cream Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
15 021402967-0022		Beige Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

Analyst(s) \_\_\_\_\_  
 Stephen Bennett (7)

  
 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 06/04/2014 09:45:55