

May 23, 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 Where any original item is amended, voided, or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.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 May 22, 2018.
2. Deadline for Substitutions is May 25<sup>th</sup> by 5 pm. Deadline for Questions is May 29<sup>th</sup> by 5 pm. Deadline for final Addendum to be posted is May 31<sup>st</sup> by 2 pm.
3. Reference "USC Hazmat Report" attached to this Addendum. USC will remove all asbestos-containing items. The contractor needs to be aware of lead glazing on block walls in current restroom, shower and training room. Lead Awareness Training Certification will be required by the GC (or appropriate sub) who will be disturbing this material for demolition, cutting, drilling, etc.

**Specifications**

1. Reference revised SE-330 Lump Sum Bid Form attached to this Addendum. Revised Section 7 to delete requirement for Heating (HT ) Subcontractor Specialty, and clarified other Subcontractor Specialties required.
2. Reference Section 084113 Aluminum-Framed Entrances and Storefronts. Revise 2.1, A. to add Tubelite, Inc. as an approved manufacturer (E14000 Series Storefront and standard wide-stile door).
3. Reference Section 099123 Interior Painting. Revise 2.1, A. to add Rose Talbert Paint Company as an approved manufacturer.

**Drawings**

1. Reference Drawing A4.3, Detail 6/A4.3. At blocking for Film Room chairs on raised platform, remove reference in the note to "Fire-Treated 2x12 Wood Blocking" and replace with "2x12 Wood Blocking." Fire-treated wood is not required.
2. Reference Drawing A4.3, Detail 8/A4.3. Routed "Block C" logo on locker door to be routed into face of locker door and painted/finished black. Final appearance to be reviewed/approved as part of locker shop drawing submittal.

3. Reference Drawing A1.1 and attached Sketch SK-1. Add to scope of work the fabrication and installation of handrails in Stair ST05 and similar stair (not labeled) opposite hand shown through Door 422A off Men's Lounge 422 (not labeled; this stair does appear on X1.1 Life Safety Plan). Walls are concrete and CMU. Include one handrail on each side of both stairs, four (4) handrails total. Fabricate handrails from 1-1/2" O.D. steep pipe, with support brackets mounted at 4'-0" O.C. max. Handrails and brackets shall be submitted as shop drawing for review, and are to be shop primed and painted.

END OF ADDENDUM NO. 1

Attachments:

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

**University of South Carolina  
Pre Bid Sign In Sheet  
Columbia, South Carolina**

**Project Name:** Men's Basketball Practice Facility Locker Room Renovation  
**Project Number:** H27-2361  
**Pre Bid Date & Time:** May 22, 2018 at 10:00 am

SWIMBE?	Name	Company Name	Address	Phone #	Email
Yes No	Juaquana Brookins	USC	1300 Pickens St, Columbia SC 29208	803.777.3596	<a href="mailto:jbrookin@fmc.sc.edu">jbrookin@fmc.sc.edu</a>
Yes No	Ann Derrick	USC	1300 Pickens St, Columbia SC 29208	803.777.5811	<a href="mailto:aderrick@fmc.sc.edu">aderrick@fmc.sc.edu</a>
Yes No	David Tidbeck	M Dillon Constellation	89 Mill Creek Pkwy Columbia, SC 29209	803-609-0538	David@mdillonconstellation.com
Yes No	Ford Tupper	Sumwalt Associates	3800 Forest Drive Columbia, SC 29209	803-409-9170	ftupper@sumwalt.com
Yes No	Dennis Childs	AOS Specialty Contractors	1224 Two Notch Rd. Lexington, SC 29073	803 429-9054	dennis@aossc.org
Yes No	CHRIS SENAL	PENNCORTRADING LLC	1540 DUTCH FOLK RD JAMO, SC 29103	803-407-5714	BOB@PENNCORTRADING.COM
Yes No	LAN POWERS	GILLMAN ASSOCIATES	1652 COLUMBIA HWY AIKEN, SC 29801	(803) 648-2835	NADE@GILLMANASSOCIATES.COM
Yes No	TERRY BUCHMAN	GARVIN DESIGN GROUP	1201 UNCONVST. COLUMBIA, SC 29201	803 212 1032	tbuchman@garvindesigngroup.com
Yes No	Ann Derrick	USC			

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

**University of South Carolina  
Pre Bid Sign In Sheet  
Columbia, South Carolina**

Project Name: Men's Basketball Practice Facility Locker Room Renovation  
 Project Number: H27-Z361  
 Pre Bid Date & Time: May 22, 2018 at 10:00 am

SWMIBE?	Name	Company Name	Address	Phone #	Email
Yes No	Simone Warren	USC HARMAT	100 PARKETON STREET	803-603-7448	warrens6@mailbox.sc.edu
Yes No	TIM MCGREW	MCGREW WOODWORK.COM	3522 MAIN 29203	803-933-9980	<del>MSU</del> MCGREW636@MSU.COM
<input checked="" type="radio"/> Yes No	MARK S KERLEY	PERNOLD CONTRACTING	1108-A LYKES LANE, COLUMBIA	803-732-2050	estimating@pernoldcontracting.com
Yes No	JEFF DAVIS	ATHLETIC S	1304 HYWOOD ST. COLUMBIA, SC	777-0459	jeffd@mailbox.sc.edu
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:** Men's Basketball Practice Facility Locker Room Renovation  
**PROJECT NUMBER:** H27-Z361

**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 Men's Basketball current team facilities into new locker room, bathroom, and showers, film room, team lounge, study, and nutrition area.

**\$** \_\_\_\_\_, which sum is hereafter called the Base Bid.

*(Bidder to insert Base Bid Amount on line above)*

**SE-330**  
**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:

<b>(A)</b> <b>SUBCONTRACTOR SPECIALTY</b> <i>(Completed by Owner)</i>	<b>(B)</b> <b>CLASSIFICATION or SUBCLASSIFICATION ABBREVIATION</b> <i>(Completed by Owner)</i>	<b>(C)</b> <b>SUBCONTRACTOR'S or PRIME CONTRACTOR'S NAME</b> <i>(Required - must be completed by Bidder)</i>	<b>(D)</b> <b>SUBCONTRACTOR'S or PRIME CONTRACTOR'S SC LICENSE NUMBER</b> <i>(Requested, but not Required)</i>
<b>BASE BID</b>			
HVAC	AC		
Plumbing	PB		
Electrical	EL		
<b>ALTERNATE #1</b>			
N/A			
<b>ALTERNATE #2</b>			
N/A			
<b>ALTERNATE #3</b>			
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 180 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 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):

3341

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

Company: University of South Carolina		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
Street: 743 Greene Street		Third Party Billing requires written authorization from third party	
City: Columbia	State/Province: SC	Zip/Postal Code: 29208	Country: US
Report To (Name): USC Hazmat		Telephone #:	
Email Address: asbestos@mailbox.sc.edu		Fax #:	Purchase Order:
Project Name/Number: 084 Carolina Coliseum		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
U.S. State Samples Taken: SC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
<b>Turnaround Time (TAT) Options* - Please Check</b>			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input checked="" type="checkbox"/> 24 Hour	<input type="checkbox"/> 48 Hour <input 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>			
<b>PLM - Bulk (reporting limit)</b>		<b>TEM - Bulk</b>	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)		<input checked="" type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1	
<input type="checkbox"/> PLM EPA NOB (<1%)		<input type="checkbox"/> NY ELAP Method 198.4 (TEM)	
Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> Chatfield Protocol (semi-quantitative)	
Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2	
<input type="checkbox"/> NIOSH 9002 (<1%)		<input type="checkbox"/> TEM Qualitative via Filtration Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)		<input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique	
<input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)		<b>Other</b>	
<input type="checkbox"/> OSHA ID-191 Modified		<input type="checkbox"/>	
<input type="checkbox"/> Standard Addition Method			
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Date Sampled: 5/11/18	
Samplers Name: Antonio Thompson		Samplers Signature: <i>Antonio Thompson</i>	
Sample #	HA #	Sample Location	Material Description
			"
		SEE Field Sheet Attached	
Client Sample # (s):		Total # of Samples: 95	
Relinquished (Client): <i>Antonio Thompson</i>		Date: 5/14/18	Time: 9:32 Am
Received (Lab): <i>QA</i>		Date: 5/15/18	Time: 9:15
Comments/Special Instructions: OEX 795484621935			

Print Form

Reset Form

3341



Building # 084 CAROLINA COLISEUM

Sample Analysis

Type of Analysis: Lead (Asbestos) Date: 5/11/18

Turn Around Time 24 HOUR

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	BLACK COVEBASE / MASTIC	MENS BASKETBALL FILM ROOM	NF	GOOD	>5000 SQ FT	LOW
A	2	BLACK COVEBASE / MASTIC	MENS BASKETBALL HALLWAY	NF	GOOD	>5000 SQ FT	LOW
A	3	BLACK COVEBASE / MASTIC	MENS BASKETBALL TRAINING ROOM (FREQ)	NF	GOOD	>5000 SQ FT	LOW
B	4	CACTUS MAT / MASTIC	MENS BASKETBALL BATHROOM	NF	GOOD	>5000 SQ FT	LOW
B	5	CACTUS MAT / MASTIC	MENS BASKETBALL BATHROOM	NF	GOOD	>5000 SQ FT	LOW
B	6	CACTUS MAT / MASTIC	MENS BASKETBALL SAUNA AREA (FREQ)	NF	GOOD	>5000 SQ FT	LOW
C	7	2X2 CEILING TILE SMOOTH (White)	MENS BASKETBALL FILM ROOM	NF	GOOD	>5000 SQ FT	LOW
C	8	2X2 CEILING TILE SMOOTH (White)	MENS BASKETBALL HALLWAY	NF	GOOD	>5000 SQ FT	LOW
C	9	2X2 CEILING TILE SMOOTH (White)	MENS BASKETBALL LOUNGE	NF	GOOD	>5000 SQ FT	LOW
D	10	BLACK THRESHOLD / MASTIC	MENS BASKETBALL BATHROOM	NF	GOOD	>5000 SQ FT	LOW

Requestor SIMONE WARREN

Signature *[Signature]*

License # GR00052 FM# FM00573913

Print Form

Reset Form



3341

Building # 084 COLISEUM      Sample Analysis Date: 5/11/18      Turn Around Time 24 HOUR

Type of Analysis: Lead Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
D	11	BLACK THRESHOLD   Mastic	MENS BASKETBALL BATHROOM	NF	GOOD	>5000 SQ FT	LOW
D	12	BLACK THRESHOLD   Mastic	MENS BASKETBALL BATHROOM <i>TEM, if neg</i>	NF	GOOD	>5000 SQ FT	LOW
E	13	BLACK CAULK	MENS BASKETBALL HALLWAY PERIMETER OF COUNTER	NF	GOOD	>5000 SQ FT	LOW
E	14	BLACK CAULK	MENS BASKETBALL HALLWAY PERIMETER OF COUNTER	NF	GOOD	>5000 SQ FT	LOW
E	15	BLACK CAULK	MENS BASKETBALL HALLWAY PERIMETER OF COUNTER <i>TEM, if neg</i>	NF	GOOD	>5000 SQ FT	LOW
F	16	<i>Dotted</i> 2X2 CEILING TILE <i>light weight tiles</i>	MENS BASKETBALL TRAINING ROOM SAUNA	NF	GOOD	>5000 SQ FT	LOW
F	17	<i>Dotted</i> 2X2 CEILING TILE <i>light weight tiles</i>	MENS BASKETBALL TRAINING ROOM	NF	GOOD	>5000 SQ FT	LOW
F	18	<i>Dotted</i> 2X2 CEILING TILE <i>light weight tiles</i>	MENS BASKETBALL TRAINING ROOM C	NF	GOOD	>5000 SQ FT	LOW
G	19	WHITE CAULK	MENS BASKETBALL PERIMETER OF SHOWER FLOOR	NF	GOOD	>5000 SQ FT	LOW
G	20	WHITE CAULK	MENS BASKETBALL PERIMETER OF SHOWER FLOOR	NF	GOOD	>5000 SQ FT	LOW

License # GR00052      FM# FM00573913      Signature \_\_\_\_\_      Requestor \_\_\_\_\_

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

Reset Form

Print Form



3341

Building # 084 COLISEUM Sample Analysis Date: 5/11/18 Turn Around Time 24 HOUR

Type of Analysis: Lead Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
G	21	WHITE CAULK	MENS BASKETBALL PERIMETER OF SHOWER FLOOR (TEM, H neg)	NF	GOOD	>5000 SQ FT	LOW
H	22	WHITE MASTIC ON PIPING	INSIDE MENS BASKETBALL BATHROOM ACCESS DOOR	F	GOOD	>5000 LN FT	LOW
H	23	WHITE MASTIC ON PIPING	MENS BASKETBALL ABOVE FILM ROOM	F	GOOD	>5000 LN FT	LOW
H	24	WHITE MASTIC ON PIPING	MENS BASKETBALL ABOVE TRAINING ROOM (TEM, H neg)	F	GOOD	>5000 LN FT	LOW
I	25	DOTTED 2X2 CEILING TILE (heavy tiles)	MENS BASKETBALL BATHROOM / SHOWER AREA ONLY	NF	GOOD	>5000 SQ FT	LOW
I	26	DOTTED 2X2 CEILING TILE (heavy tiles)	MENS BASKETBALL BATHROOM / SHOWER AREA ONLY	NF	GOOD	>5000 SQ FT	LOW
I	27	DOTTED 2X2 CEILING TILE (heavy tiles)	MENS BASKETBALL BATHROOM / SHOWER AREA ONLY	NF	GOOD	>5000 SQ FT	LOW
J	28	WHITE CAULK	MENS BASKETBALL BATHROOM AT TOILET 1	NF	GOOD	>5000 SQ FT	LOW
J	29	WHITE CAULK	MENS BASKETBALL BATHROOM AT TOILET 2	NF	GOOD	>5000 SQ FT	LOW
J	30	WHITE CAULK	MENS BASKETBALL BATHROOM AT TOILET 3 (TEM, H neg)	NF	GOOD	>5000 SQ FT	LOW

License # GR00052 FM# FM00573913 Signature \_\_\_\_\_ Requestor \_\_\_\_\_

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

Print Form

Reset Form



3341

Building # 084 COLISEUM Sample Analysis Date: 5/11/18 Turn Around Time 24 HOUR

Type of Analysis: Lead (Asbestos)

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
K	31	WHITE 12X12 FLOOR TILE / MASTIC	MENS BASKETBALL TRAINING ROOM B CLOSET	NF	GOOD	>5000 SQ FT	LOW
K	32	WHITE 12X12 FLOOR TILE / MASTIC	MENS BASKETBALL TRAINING ROOM B CLOSET	NF	GOOD	>5000 SQ FT	LOW
K	33	WHITE 12X12 FLOOR TILE / MASTIC	MENS BASKETBALL TRAINING ROOM B CLOSET (TEM, H neg)	NF	GOOD	>5000 SQ FT	LOW
L	34	WHITE MASTIC	MENS BASKETBALL FILM ROOM HVAC	NF	GOOD	>5000 SQ FT	LOW
L	35	WHITE MASTIC	MENS BASKETBALL HALLWAY HVAC	NF	GOOD	>5000 SQ FT	LOW
L	36	WHITE MASTIC	MENS BASKETBALL LOCKER ROOM HVAC (TEM, H neg)	NF	GOOD	>5000 SQ FT	LOW
M	37	WHITE CAULK	MENS BASKETBALL TRAINING ROOM C WHIRLPOOL	NF	GOOD	>5000 SQ FT	LOW
M	38	WHITE CAULK	MENS BASKETBALL TRAINING ROOM C WHIRLPOOL	NF	GOOD	>5000 SQ FT	LOW
M	39	WHITE CAULK	MENS BASKETBALL TRAINING ROOM C WHIRLPOOL (TEM, H neg)	NF	GOOD	>5000 SQ FT	LOW
N	40	BLACK THRESHOLD MASTIC	MENS BASKETBALL TRAINING ROOM B CLOSET	NF	GOOD	>5000 SQ FT	LOW

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Building # 084 COLISEUM Sample Analysis Date: 5/11/18 Turn Around Time 24 HOUR

Type of Analysis: Lead / Asbestos

Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
N 41	BLACK THRESHOLD / MASTIC	MENS BASKETBALL TRAINING ROOM B CLOSET	NF	GOOD	>5000 SQ FT	LOW
N 42	BLACK THRESHOLD / MASTIC	MENS BASKETBALL TRAINING ROOM B CLOSET (TEM, H neg)	NF	GOOD	>5000 SQ FT	LOW
O 43	BLACK MASTIC	MENS BASKETBALL TRAINING ROOM WINDOW B	NF	GOOD	>5000 SQ FT	LOW
O 44	BLACK MASTIC	MENS BASKETBALL TRAINING ROOM WINDOW B	NF	GOOD	>5000 SQ FT	LOW
O 45	BLACK MASTIC	MENS BASKETBALL TRAINING ROOM WINDOW C (TEM, H neg)	NF	GOOD	>5000 SQ FT	LOW
P 46	WHITE CAULK	MENS BASKETBALL AT SHOWER ENTRANCE	NF	GOOD	>5000 SQ FT	LOW
P 47	WHITE CAULK	MENS BASKETBALL AT SHOWER ENTRANCE	NF	GOOD	>5000 SQ FT	LOW
P 48	WHITE CAULK	MENS BASKETBALL AT BATHROOM ENTRANCE (TEM, H neg)	NF	GOOD	>5000 SQ FT	LOW
Q 49	BEIGE MASTIC	MENS BASKETBALL TRAINING ROOM SINK BOTTOM	NF	GOOD	>5000 SQ FT	LOW
Q 50	BEIGE MASTIC	MENS BASKETBALL TRAINING ROOM SINK BOTTOM	NF	GOOD	>5000 SQ FT	LOW

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Building # 084 COLISEUM Sample Analysis Date: 5/11/18 Turn Around Time 24 HOUR  
 Type of Analysis: Lead (Asbestos)

Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
G 51	BEIGE MASTIC	MENS BASKETBALL TRAINING ROOM SINK BOTTOM (TEM, if neg)	NF	GOOD	>5000 SQ FT	LOW
R 52	WHITE CAULK	MENS BASKETBALL FILM ROOM ON WALL TRIM	NF	GOOD	>5000 SQ FT	LOW
R 53	WHITE CAULK	MENS BASKETBALL FILM ROOM ON WALL TRIM	NF	GOOD	>5000 SQ FT	LOW
R 54	WHITE CAULK	MENS BASKETBALL FILM ROOM ON WALL TRIM (TEM, if neg)	NF	GOOD	>5000 SQ FT	LOW
S 55	BROWN CAULK	MENS BASKETBALL DEAD SPACE ROOM ON WALL TRIM	NF	GOOD	>5000 SQ FT	LOW
S 56	BROWN CAULK	MENS BASKETBALL DEAD SPACE ROOM ON WALL TRIM	NF	GOOD	>5000 SQ FT	LOW
S 57	BROWN CAULK	MENS BASKETBALL DEAD SPACE ROOM ON WALL TRIM (TEM, if neg)	NF	GOOD	>5000 SQ FT	LOW
T 58	BLACK CAULK	MENS BASKETBALL TRAINING ROOM COUNTER	NF	GOOD	>5000 SQ FT	LOW
T 59	BLACK CAULK	MENS BASKETBALL TRAINING ROOM COUNTER	NF	GOOD	>5000 SQ FT	LOW
T 60	BLACK CAULK	MENS BASKETBALL TRAINING ROOM COUNTER (TEM, if neg)	NF	GOOD	>5000 SQ FT	LOW

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Building # 084 COLISEUM Sample Analysis Date: 5/11/18 Turn Around Time 24 HOUR

Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
U	61	GREY COVEBASE / MASTIC	MENS BASKETBALL TRAINING ROOM B CLOSET	NF	GOOD	>5000 SQ FT	LOW
U	62	GREY COVEBASE / MASTIC	MENS BASKETBALL TRAINING ROOM B CLOSET	NF	GOOD	>5000 SQ FT	LOW
U	63	GREY COVEBASE / MASTIC	MENS BASKETBALL TRAINING ROOM B CLOSET (TEM, F neg)	NF	GOOD	>5000 SQ FT	LOW
V	64	BLACK MASTIC	MENS BASKETBALL TRAINING ROOM B ABOVE CLOSET	NF	GOOD	>5000 SQ FT	LOW
V	65	BLACK MASTIC	MENS BASKETBALL TRAINING ROOM B ABOVE CLOSET	NF	GOOD	>5000 SQ FT	LOW
V	66	BLACK MASTIC	MENS BASKETBALL TRAINING ROOM B ABOVE CLOSET (TEM, F neg)	NF	GOOD	>5000 SQ FT	LOW
W	67	FLOORING COMPOUND	MENS BASKETBALL LOUNGE ROOM FLOORING	NF	GOOD	>5000 SQ FT	LOW
W	68	FLOORING COMPOUND	MENS BASKETBALL LOUNGE ROOM FLOORING	NF	GOOD	>5000 SQ FT	LOW
W	69	FLOORING COMPOUND	MENS BASKETBALL LOUNGE ROOM FLOORING	NF	GOOD	>5000 SQ FT	LOW
X	70	RED FIRE CAULK	MENS BASKETBALL HALLWAY ABOVE CEILING	NF	GOOD	>5000 SQ FT	LOW

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Building # 084 COLISEUM Sample Analysis Date: 5/11/18 Turn Around Time 24 HOUR

Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
X	71	RED FIRE CAULK	MENS BASKETBALL HALLWAY ABOVE CEILING	NF	GOOD	>5000 SQ FT	LOW
X	72	RED FIRE CAULK	MENS BASKETBALL HALLWAY ABOVE CEILING (CEILING FIBER)	NF	GOOD	>5000 SQ FT	LOW
Y	73	JOINT COMPOUND	MENS BASKETBALL LOUNGE ROOM	NF	GOOD	>5000 SQ FT	LOW
Y	74	JOINT COMPOUND	MENS BASKETBALL LOCKER ROOM	NF	GOOD	>5000 SQ FT	LOW
Y	75	JOINT COMPOUND	MENS BASKETBALL HALLWAY	NF	GOOD	>5000 SQ FT	LOW
Y	76	JOINT COMPOUND	MENS BASKETBALL HALLWAY ADJACENT TO BATHROOMS	NF	GOOD	>5000 SQ FT	LOW
Y	77	JOINT COMPOUND	MENS BASKETBALL HALLWAY ADJACENT TO FILM RM.	NF	GOOD	>5000 SQ FT	LOW
Y	78	JOINT COMPOUND	MENS BASKETBALL FILM ROOM	NF	GOOD	>5000 SQ FT	LOW
Y	79	JOINT COMPOUND	MENS BASKETBALL FILM ROOM	NF	GOOD	>5000 SQ FT	LOW
Z	80	SHEETROCK	MENS BASKETBALL LOUNGE ROOM	NF	GOOD	>5000 SQ FT	LOW

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Sample Analysis

084 COLISEUM

Type of Analysis: Lead / Asbestos Date: 5/11/18

24 HOUR

Turn Around Time

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
Z	81	SHEETROCK	MENS BASKETBALL LOUNGE ROUND COLUMN	NF	GOOD	>5000 SQ FT	LOW
Z	82	SHEETROCK	MENS BASKETBALL LOCKER ROOM	NF	GOOD	>5000 SQ FT	LOW
Z	83	SHEETROCK	MENS BASKETBALL ABOVE SAUNA	NF	GOOD	>5000 SQ FT	LOW
Z	84	SHEETROCK	MENS BASKETBALL FILM ROOM	NF	GOOD	>5000 SQ FT	LOW
Z	85	SHEETROCK	MENS BASKETBALL ADJACENT TO FILM ROOM	NF	GOOD	>5000 SQ FT	LOW
Z	86	SHEETROCK	MENS BASKETBALL FILM ROOM WHITE BAOARD	NF	GOOD	>5000 SQ FT	LOW
AA	87	JOINT COMPOUND PATCH WORK	MENS BASKFTRAIL RM 417 AJACENT TO STADIUM SEATS	NF	GOOD	>5000 SQ FT	LOW
AA	88	JOINT COMPOUND PATCH WORK	MENS BASKETBALL RM 417 AJACENT TO STADIUM SEATS	NF	GOOD	>5000 SQ FT	LOW
AA	89	JOINT COMPOUND PATCH WORK	MENS BASKETBALL RM 417 AJACENT TO STADIUM SEATS	NF	GOOD	>5000 SQ FT	LOW
EB	90	BLACK MASTIC / CLOTH	MENS BASKETBALL SHOWER ACCESS CLOSET PIPING	F	GOOD	>5000 LN FT	LOW

License # GR00052

FM# FM00573913

Signature

Requestor

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Building # 084 COLISEUM Sample Analysis Date: 5/11/18 Turn Around Time 24 HOUR

Type of Analysis: Lead (Asbestos) Date: (TEM, if neg)

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
BB	91	BLACK MASTIC / CLOTH	MENS BASKETBALL SHOWER ACCESS CLOSET PIPING	F	GOOD	>5000 LN FT	LOW
BB	92	BLACK MASTIC / CLOTH	MENS BASKETBALL BATHROOM ACCESS CLOSET PIPING <i>(TEM, if neg)</i>	F	GOOD	>5000 LN FT	LOW
CC	93	BLACK TAR	MENS BASKETBALL TRAINING RM B OFFICE	NF	GOOD	>5000 SQ FT	LOW
CC	94	BLACK TAR	MENS BASKETBALL BATHROOM ACCESS CLOSET	NF	GOOD	>5000 SQ FT	LOW
CC	95	BLACK TAR	MENS BASKETBALL SHOWER ACCESS CLOSET <i>(if neg, TEM if neg)</i>	NF	GOOD	>5000 SQ FT	LOW

License # GR00052 FM# FM00573913 Signature \_\_\_\_\_ Requestor \_\_\_\_\_

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

Description HAZMAT SURVEY - 084 - SEE 5/3/18 EMAIL

<b>Site</b>	COLUMBIA	<b>Assigned To</b>	ATHOMPSON
<b>Building</b>	084 CAROLINA COLISEUM	<b>Crew</b>	HAZMAT
<b>Floor</b>	<b>Room:</b>	<b>Start Date</b>	<b>Priority</b> 20
<b>Equipment</b>		<b>Due date</b>	
		<b>Request Date</b>	24-OCT-17 <b>by</b> CAMOORE

<b>Request #</b>	FM00560075	<b>Description</b>	HAZMAT SURVEY - 084 - SEE 5/3/18 EMAIL
<b>Parent WO #</b>			

<b>CP Number</b>	50003303-2	<b>Project Name</b>	MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM RENOVATION
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<b>State/Internal Project Number</b>	H27-Z361
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<b>Requestor</b>	DERRICK,ANN	<b>Project Manager</b>	DERRICK, ANN
<b>Telephone</b>	777-5811	<b>Telephone</b>	777-5811
<b>Alternate</b>		<b>Estimated Cost</b>	\$ 246.00
<b>Telephone</b>		<b>Billing</b>	FIXED PRICE
<b>Non-Available Time</b>		<b>53200-W346-57120</b>	(MENS BASKETBALL PRACTICE FACILITY LOCKER)

**Task List**

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

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

<b>Note Date</b>	<b>Title</b>
18-MAY-18	HAZMAT SURVEY RESULTS
SURVEY DATE: 05/18/2018	
INSPECTOR #: SIMONE WARREN (GR00052)	
SCOPE: THE FOLLOWING SURVEY WAS PERFORMED IN PREPARATION FOR UPCOMING RENOVATIONS TO TAKE PLACE IN THE MEN'S BASKETBALL LOCKER ROOM (TO INCLUDE: FILM ROOM, TRAINING ROOM, SAUNA ROOM, SHOWERS/BATHROOMS, LOCKER ROOM, LOUNGE AREA, DRESSING ROOM (417) AND ALL ASSOCIATED OFFICES (OFFICE B & C), CORRIDORS, ACCESS CLOSETS, AND STORAGE CLOSETS.	
ASBESTOS SECTION:	
WHITE, GRAY, & BLACK HVAC DUCT MASTIC: POSITIVE FOR ASBESTOS (SEE LINE 1 INSPECTORS NOTES)	
WHITE, GRAY, & BLACK MASTIC ON PIPING (INSULATED AND UNINSULATED): POSITIVE FOR ASBESTOS (SEE LINE 2 INSPECTORS NOTES)	
WHITE 12X12 FLOOR TILE/MASTIC (IN STORAGE CLOSET (OFFICE B)): POSITIVE FOR ASBESTOS (SEE LINE 3 INSPECTORS NOTES)	
BLACK TRANSITION STRIP/MASTIC (IN STORAGE CLOSET (OFFICE B)): POSITIVE FOR ASBESTOS (SEE LINE 3 INSPECTORS NOTES)	
BLACK CAULK (PERIMETER OF GLASS FRAMING EXTERIOR OF OFFICE B & C): POSITIVE FOR ASBESTOS (SEE LINE 4 INSPECTORS NOTES)	
WOODEN DOOR (ENTRANCE DOOR TO TRAINING RM): DEEMED POSITIVE FOR ASBESTOS (SEE IMAGES AND LINE 5 INSPECTORS NOTES)	
FIBERGLASS PIPE INSULATION: NON SUSPECT FOR ASBESTOS	
ARMOR FLEX PIPE INSULATION: NON SUSPECT FOR ASBESTOS	

YELLOW CARPET MASTIC: NON SUSPECT FOR ASBESTOS  
CERAMIC TILES: NON SUSPECT FOR ASBESTOS  
CMU BLOCK WALLS: NON SUSPECT FOR ASBESTOS  
BRICK/MORTAR (IN ACCESS CLOSETS): NON SUSPECT FOR ASBESTOS  
CONCRETE (WALLS, FLOORING): NON SUSPECT FOR ASBESTOS  
BLACK COVEBASE/MASTIC: NEGATIVE FOR ASBESTOS  
CACTUS MATT/MASTIC (VIEWED IN COMMON AREA OF SHOWER RM AND SAUNA ROOM): NEGATIVE FOR ASBESTOS  
BLACK TRANSITION STRIP (ON PERIMETER OF CACTUS MATT): NEGATIVE FOR ASBESTOS  
SMOOTH 2X2 CEILING TILES (WHITE): NEGATIVE FOR ASBESTOS  
DOTTED 2X2 CEILING TILES (WHITE): NEGATIVE FOR ASBESTOS  
BLACK CAULK (ON PERIMETER OF COUNTER-IN MAIN CORRIDOR (ADJ. TO FILM RM)): NEGATIVE FOR ASBESTOS  
WHITE CAULK (PERIMETER OF SHOWER FLOOR): NEGATIVE FOR ASBESTOS  
WHITE CAULK (PERIMETER OF MENS TOILET): NEGATIVE FOR ASBESTOS  
WHITE CAULK (PERIMETER OF WHIRLPOOL- TRAINING ROOM): NEGATIVE FOR ASBESTOS  
BEIGE MASTIC (SINK UNDERCOAT): NEGATIVE FOR ASBESTOS  
BROWN CAULK (PERIMETER OF WOODEN MOLDING IN LOCKER RM "DEAD SPACE"): NEGATIVE FOR ASBESTOS  
BLACK CAULK (PERIMETER OF SINK/COUNTER TOP): NEGATIVE FOR ASBESTOS  
GREY COVEBASE/MASTIC (RMB-STORAGE CLOSET): NEGATIVE FOR ASBESTOS  
FLOORING COMPOUND (LOUNGE): NEGATIVE FOR ASBESTOS  
RED FIRE CAULK: NEGATIVE FOR ASBESTOS  
JOINT COMPOUND: NEGATIVE FOR ASBESTOS  
SHEETROCK: NEGATIVE FOR ASBESTOS  
JOINT COMPOUND (PATCH WORK-DRESSING RM 417): NEGATIVE FOR ASBESTOS  
BLACK TAR (FLOORING): NEGATIVE FOR ASBESTOS

**LEAD SECTION:**

TAN, BURGUNDY, GREY, WHITE PAINTED WALLS: NEGATIVE FOR LEAD  
BROWN, GREY, BLACK, WHITE PAINTED DOOR: NEGATIVE FOR LEAD  
BROWN, GREY, WHITE PAINTED DOOR FRAME: NEGATIVE FOR LEAD  
1"X1" CERAMIC FLOOR TILES: NEGATIVE FOR LEAD

**INSPECTORS NOTES:**

1. WHITE, GRAY, AND BLACK HVAC DUCT MASTIC IS POSITIVE FOR ASBESTOS. PLEASE CONSULT WITH A LICENSED ABATEMENT CREW FOR REMOVAL.
  2. WHITE, GRAY, AND BLACK MASTIC ON PIPING (UNINSULATED AND INSULATED) IS POSITIVE FOR ASBESTOS. PLEASE CONSULT WITH A LICENSED ABATEMENT CREW FOR REMOVAL.
  3. WHITE 12X12 FLOOR TILE/MASTIC AND CORRESPONDING BLACK TRANSITION STRIP/MASTIC IS POSITIVE FOR ASBESTOS. PLEASE CONSULT WITH A LICENSED ABATEMENT CREW FOR REMOVAL.
  4. BLACK CAULK FOUND ON PERIMETER OF GLASS FRAMING- EXTERIOR OF OFFICE B & C IS POSITIVE FOR ASBESTOS. PLEASE CONSULT WITH AN ABATEMENT CREW FOR REMOVAL.
  5. WOODEN DOOR (ENTRANCE DOOR TO TRAINING ROOM): DEEMED POSITIVE FOR ASBESTOS. PLEASE CONSULT WITH A LICENSED ABATEMENT CREW FOR REMOVAL AND DISPOSAL.
- (SEE ITEMS 6-9 FOR FLOORING OBSERVATIONS)
6. FLOORING OBSERVATIONS: CARPET-->OVER YELLOW CARPET MASTIC---> OVER CONCRETE FLOORING (IN MOST AREAS)
  7. FLOORING OBSERVATIONS: CARPET--> OVER YELLOW CARPET MASTIC---> OVER 1"X1" CERAMIC FLOOR TILE (IN TRAINING ROOM)

\*\* CONT. TO PAGE 2

**18-MAY-18 HAZMAT SURVEY RESULTS****\*\*PAGE 2 CONT'D\*\***

8. FLOORING OBSERVATIONS: CACTUS MATT/MASTIC--> OVER CONCRETE FLOORING (IN SHOWER/BATHROOM COMMON AREA & SAUNA ROOM)
9. FLOORING OBSERVATIONS: CARPET -->OVER YELLOW CARPET MASTIC-->OVER WOODEN FLOORS (IN FILM ROOM)
10. IF A BUILDING MATERIAL IS NOT LISTED, DO NOT ASSUME THAT IT DOES NOT CONTAIN ASBESTOS. IT MAY NOT HAVE BEEN TESTED. FOR FURTHER INFORMATION, PLEASE CONTACT THE USC HAZMAT PROGRAM.
11. 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.
12. THIS SURVEY DATA CANNOT BE USED OUTSIDE OF THE AREAS LISTED DUE TO PRESENCE OF ASBESTOS JOINT COMPOUND AND SHEETROCK BEING FOUND IN OTHER AREAS OF THE BUILDING.
13. 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. THIS SURVEY IS ONLY VALID FOR THE DESIGNATED AREA(S)/LOCATION(S) TESTED IE: MEN'S BASKETBALL LOCKER ROOM AREA; CAROLINA COLISEUM.

**08-SEP-16 ASBESTOS SUMMARY FOR CAROLINA COLISEUM (084) – SEPTEMBER 2016**

ASBESTOS HAS BEEN FOUND IN THIS BUILDING. IF DISTURBED, ASBESTOS MAY BE HARMFUL TO YOUR HEALTH.

PLEASE DO NOT DISTURB THE FOLLOWING MATERIALS IN THIS BUILDING AS THEY HAVE BEEN FOUND TO CONTAIN ASBESTOS.

- JOINT COMPOUND / SHEETROCK
- FLOOR TILE
- BLACK MASTIC UNDER FLOOR TILE
- RESIDUAL BLACK MASTIC ON FLOORING
- BLACK DUCT MASTIC
- ROOFING MATERIAL

IF A BUILDING MATERIAL IS NOT LISTED, DO NOT ASSUME THAT IT DOES NOT CONTAIN ASBESTOS. IT MAY NOT HAVE 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](mailto:greensborolab@emsl.com)

EMSL Order: 021803341

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:** 05/15/2018 9:15 AM

**Analysis Date:** 05/15/2018

**Collected Date:** 05/11/2018

**Project:** 84 Carolina Coliseum

## 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-Cove Base <small>021803341-0001</small>	Black Covebase/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
1-Mastic <small>021803341-0001A</small>	Black Covebase/Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
2-Cove Base <small>021803341-0002</small>	Black Covebase/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2-Mastic <small>021803341-0002A</small>	Black Covebase/Mastic	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-Cove Base <small>021803341-0003</small>	Black Covebase/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-Mastic <small>021803341-0003A</small>	Black Covebase/Mastic	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
4-Cactus Mat <small>021803341-0004</small>	Cactus Mat/Mastic	Brown/Black/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-Mastic <small>021803341-0004A</small>	Cactus Mat/Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
5-Catus Mat <small>021803341-0005</small>	Cactus Mat/Mastic	Brown/Black/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5-Mastic <small>021803341-0005A</small>	Cactus Mat/Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
6-Cactus Mat <small>021803341-0006</small>	Cactus Mat/Mastic	Brown/Black/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
6-Mastic <small>021803341-0006A</small>	Cactus Mat/Mastic	Tan/Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
7 <small>021803341-0007</small>	2x2 Ceiling Tile Smooth (white)	Gray/White Fibrous Homogeneous	98% Min. Wool	2% Non-fibrous (Other)	None Detected
8 <small>021803341-0008</small>	2x2 Ceiling Tile Smooth (white)	Gray/White Fibrous Homogeneous	98% Min. Wool	2% Non-fibrous (Other)	None Detected
9 <small>021803341-0009</small>	2x2 Ceiling Tile Smooth (white)	Gray/White Fibrous Homogeneous	98% Min. Wool	2% Non-fibrous (Other)	None Detected
10-Threshold <small>021803341-0010</small>	Black Treshold /Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 05/16/2018 08:23:44





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706 Gralin Street Kernersville, NC 27284

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

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

**EMSL Order:** 021803341  
**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
10-Mastic <small>021803341-0010A</small>	Black Treshold /Mastic	Clear Non-Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected
11-Threshold <small>021803341-0011</small>	Black Treshold /Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-Mastic <small>021803341-0011A</small>	Black Treshold /Mastic	Clear Non-Fibrous Homogeneous	<1% Cellulose 3% Synthetic	97% Non-fibrous (Other)	None Detected
12-Threshold <small>021803341-0012</small>	Black Treshold /Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-Mastic <small>021803341-0012A</small>	Black Treshold /Mastic	Clear Non-Fibrous Homogeneous	<1% Cellulose 3% Synthetic	97% Non-fibrous (Other)	None Detected
13 <small>021803341-0013</small>	Black Caulk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14 <small>021803341-0014</small>	Black Caulk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15 <small>021803341-0015</small>	Black Caulk	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16 <small>021803341-0016</small>	Dotted 2x2 Ceiling tile-Lightweight Tiles	Tan/White Fibrous Homogeneous	45% Cellulose 20% Min. Wool	30% Perlite 5% Non-fibrous (Other)	None Detected
17 <small>021803341-0017</small>	Dotted 2x2 Ceiling tile-Lightweight Tiles	Tan/White Fibrous Homogeneous	45% Cellulose 20% Min. Wool	30% Perlite 5% Non-fibrous (Other)	None Detected
18 <small>021803341-0018</small>	Dotted 2x2 Ceiling tile-Lightweight Tiles	Tan/White Fibrous Homogeneous	40% Cellulose 30% Min. Wool	20% Perlite 10% Non-fibrous (Other)	None Detected
19 <small>021803341-0019</small>	White Cualk	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
20 <small>021803341-0020</small>	White Cualk	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
21 <small>021803341-0021</small>	White Cualk	Beige Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
22 <small>021803341-0022</small>	White Mastic on Piping	White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
23 <small>021803341-0023</small>	White Mastic on Piping				Positive Stop (Not Analyzed)
24 <small>021803341-0024</small>	White Mastic on Piping				Positive Stop (Not Analyzed)
25 <small>021803341-0025</small>	Dotted 2x2 Ceiling Tile (heavy tiles)	Gray/White Fibrous Homogeneous	85% Min. Wool	15% Non-fibrous (Other)	None Detected
26 <small>021803341-0026</small>	Dotted 2x2 Ceiling Tile (heavy tiles)	Gray/White Fibrous Homogeneous	85% Min. Wool	15% Non-fibrous (Other)	None Detected

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# EMSL Analytical, Inc.

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

**EMSL Order:** 021803341  
**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
27 021803341-0027	Dotted 2x2 Ceiling Tile (heavy tiles)	Gray/White Fibrous Homogeneous	<1% Cellulose 85% Min. Wool	15% Non-fibrous (Other)	None Detected
28 021803341-0028	White Caulk	White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
29 021803341-0029	White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30 021803341-0030	White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
31-Floor Tile 021803341-0031	12x12 White Floor Tile/Mastic	Gray Non-Fibrous Homogeneous		25% Quartz 72% Non-fibrous (Other)	3% Chrysotile
31-Mastic 021803341-0031A	12x12 White Floor Tile/Mastic	Black Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
32-Floor Tile 021803341-0032	12x12 White Floor Tile/Mastic				Positive Stop (Not Analyzed)
32-Mastic 021803341-0032A	12x12 White Floor Tile/Mastic				Positive Stop (Not Analyzed)
33-Floor Tile 021803341-0033	12x12 White Floor Tile/Mastic				Positive Stop (Not Analyzed)
33-Mastic 021803341-0033A	12x12 White Floor Tile/Mastic				Positive Stop (Not Analyzed)
34 021803341-0034	White Mastic	White Non-Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (Other)	None Detected
35 021803341-0035	White Mastic	White Non-Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (Other)	None Detected
36-White Mastic 021803341-0036	White Mastic	White Non-Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (Other)	None Detected
36-White/Gray Mastic 021803341-0036A	White Mastic	Gray/White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
37 021803341-0037	White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
38 021803341-0038	White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39 021803341-0039	White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
40-Threshold 021803341-0040	Black Treshold/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
40-Mastic 021803341-0040A	Black Treshold/Mastic	Clear Non-Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected

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**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-Threshold 021803341-0041	Black Treshold/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
41-Mastic 021803341-0041A	Black Treshold/Mastic	Tan/Red/Clear Non-Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected
42-Threshold 021803341-0042	Black Treshold/Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
42-Mastic 021803341-0042A	Black Treshold/Mastic	Clear Non-Fibrous Homogeneous	<1% Cellulose 3% Synthetic	97% Non-fibrous (Other)	None Detected
43 021803341-0043	Black Mastic	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
44 021803341-0044	Black Mastic				Positive Stop (Not Analyzed)
45 021803341-0045	Black Mastic				Positive Stop (Not Analyzed)
46 021803341-0046	White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
47 021803341-0047	White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48 021803341-0048	White Caulk	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
49 021803341-0049	Beige Mastic	Beige Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
50 021803341-0050	Beige Mastic	Beige Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
51 021803341-0051	Beige Mastic	Beige Non-Fibrous Homogeneous	10% Synthetic	90% Non-fibrous (Other)	None Detected
52 021803341-0052	White Caulk	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
53 021803341-0053	White Caulk	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
54 021803341-0054	White Caulk	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
55 021803341-0055	Brown Caulk	Tan/White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
56 021803341-0056	Brown Caulk	Tan/White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
57 021803341-0057	Brown Caulk	Tan/White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

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**EMSL Order:** 021803341  
**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
58 <small>021803341-0058</small>	Black Caulk	White/Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
59 <small>021803341-0059</small>	Black Caulk	White/Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
60 <small>021803341-0060</small>	Black Caulk	White/Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
61-Cove Base <small>021803341-0061</small>	Grey Covebase/Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
61-Mastic <small>021803341-0061A</small>	Grey Covebase/Mastic	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
62-Cove Base <small>021803341-0062</small>	Grey Covebase/Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
62-Mastic <small>021803341-0062A</small>	Grey Covebase/Mastic	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
63-Cove Base <small>021803341-0063</small>	Grey Covebase/Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
63-Mastic <small>021803341-0063A</small>	Grey Covebase/Mastic	Brown Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
64 <small>021803341-0064</small>	Black Mastic	Brown Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
65 <small>021803341-0065</small>	Black Mastic				Positive Stop (Not Analyzed)
66 <small>021803341-0066</small>	Black Mastic				Positive Stop (Not Analyzed)
67-Leveler <small>021803341-0067</small>	Flooring Compound	Gray Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
67-Mastic <small>021803341-0067A</small>	Flooring Compound	Clear Non-Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (Other)	None Detected
68-Leveler <small>021803341-0068</small>	Flooring Compound	Gray Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
68-Mastic <small>021803341-0068A</small>	Flooring Compound	Clear Non-Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (Other)	None Detected
69-Leveler <small>021803341-0069</small>	Flooring Compound	Gray Non-Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
69-Mastic <small>021803341-0069A</small>	Flooring Compound	Yellow/Clear Non-Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected
70 <small>021803341-0070</small>	Red Fire Caulk	Red Non-Fibrous Homogeneous	3% Wollastonite	97% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
71 021803341-0071	Red Fire Caulk	Red Non-Fibrous Homogeneous	3% Wollastonite	97% Non-fibrous (Other)	None Detected
72 021803341-0072	Red Fire Caulk	Red Non-Fibrous Homogeneous	<1% Cellulose 3% Wollastonite	97% Non-fibrous (Other)	None Detected
73 021803341-0073	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
74 021803341-0074	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
75 021803341-0075	Joint Compound	White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
76 021803341-0076	Joint Compound	White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
77 021803341-0077	Joint Compound	White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
78 021803341-0078	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
79 021803341-0079	Joint Compound	White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
80 021803341-0080	Sheetrock	Brown/Gray Fibrous Homogeneous	8% Cellulose 1% Glass	91% Non-fibrous (Other)	None Detected
81 021803341-0081	Sheetrock	Brown/Gray Fibrous Homogeneous	10% Cellulose 1% Glass	89% Non-fibrous (Other)	None Detected
82 021803341-0082	Sheetrock	Brown/Gray Fibrous Homogeneous	8% Cellulose 1% Glass	91% Non-fibrous (Other)	None Detected
83 021803341-0083	Sheetrock	Brown/Gray Fibrous Homogeneous	5% Cellulose 1% Glass	94% Non-fibrous (Other)	None Detected
84 021803341-0084	Sheetrock	Brown/Gray Fibrous Homogeneous	10% Cellulose 1% Glass	89% Non-fibrous (Other)	None Detected
85 021803341-0085	Sheetrock	Brown/Gray Fibrous Homogeneous	10% Cellulose 1% Glass	89% Non-fibrous (Other)	None Detected
86 021803341-0086	Sheetrock	Brown/Gray Fibrous Heterogeneous	5% Cellulose 1% Glass	94% Non-fibrous (Other)	None Detected
87 021803341-0087	Joint Compound Patchwork	Beige Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
88 021803341-0088	Joint Compound Patchwork	Beige Non-Fibrous Homogeneous	2% Fibrous (Other)	98% Non-fibrous (Other)	None Detected
89 021803341-0089	Joint Compound Patchwork	Beige Non-Fibrous Homogeneous	<1% Cellulose 2% Fibrous (Other)	98% 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
90-Mastic <i>021803341-0090</i>	Black Mastic/Cloth	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
90-Wrap <i>021803341-0090A</i>	Black Mastic/Cloth	Yellow/Beige Fibrous Homogeneous	70% Cellulose 30% Glass		None Detected
91-Mastic <i>021803341-0091</i>	Black Mastic/Cloth	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
91-Wrap <i>021803341-0091A</i>	Black Mastic/Cloth	Beige Fibrous Homogeneous	100% Cellulose		None Detected
92-Mastic <i>021803341-0092</i>	Black Mastic/Cloth	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
92-Wrap <i>021803341-0092A</i>	Black Mastic/Cloth	Tan/Beige Fibrous Homogeneous	70% Cellulose 30% Glass		None Detected
93 <i>021803341-0093</i>	Black Tar	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
94 <i>021803341-0094</i>	Black Tar	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
95 <i>021803341-0095</i>	Black Tar	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

Analyst(s) \_\_\_\_\_

Kristie Elliott (79)

Nicole Shutts (31)

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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**EMSL Order:** 021803341  
**Customer ID:** UNSC62  
**Customer PO:** 2000036047  
**Project ID:**

**Attention:** USC Hazmat  
University of South Carolina  
743 Greene Street  
Columbia, SC 29208  
**Project:** 84 Carolina Coliseum

**Phone:** (803) 777-7000  
**Fax:** (803) 777-3990  
**Received Date:** 05/15/2018 9:15 AM  
**Analysis Date:** 05/16/2018  
**Collected Date:** 05/11/2018

## 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-Cove Base 021803341-0003	Black Covebase/Mastic	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
3-Mastic 021803341-0003A	Black Covebase/Mastic	Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
6-Cactus Mat 021803341-0006	Cactus Mat/Mastic	Brown/Black/Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
6-Mastic 021803341-0006A	Cactus Mat/Mastic	Tan/Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
12-Threshold 021803341-0012	Black Treshold /Mastic	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
12-Mastic 021803341-0012A	Black Treshold /Mastic	Clear Non-Fibrous Homogeneous	100	None	No Asbestos Detected
15 021803341-0015	Black Caulk	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
21 021803341-0021	White Cualk	Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
30 021803341-0030	White Caulk	White Non-Fibrous Homogeneous	100	None	No Asbestos Detected
39 021803341-0039	White Caulk	White Non-Fibrous Homogeneous	100	None	No Asbestos Detected
42-Threshold 021803341-0042	Black Treshold/Mastic	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
42-Mastic 021803341-0042A	Black Treshold/Mastic	Clear Non-Fibrous Homogeneous	100	None	<0.1% Chrysotile

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Initial report from: 05/16/2018 15:36:45



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## 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 021803341-0048	White Caulk	White Non-Fibrous Homogeneous	100	None	No Asbestos Detected
51 021803341-0051	Beige Mastic	Beige Non-Fibrous Homogeneous	100	None	No Asbestos Detected
54 021803341-0054	White Caulk	Gray/White Non-Fibrous Homogeneous	100	None	No Asbestos Detected
57 021803341-0057	Brown Caulk	Tan/White Non-Fibrous Homogeneous	100	None	No Asbestos Detected
60 021803341-0060	Black Caulk	White/Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
63-Cove Base 021803341-0063	Grey Covebase/Mastic	Gray Non-Fibrous Homogeneous	100	None	No Asbestos Detected
63-Mastic 021803341-0063A	Grey Covebase/Mastic	Brown Non-Fibrous Homogeneous	100	None	No Asbestos Detected
69-Mastic 021803341-0069A	Flooring Compound	Yellow/Clear Non-Fibrous Homogeneous	100	None	No Asbestos Detected
72 021803341-0072	Red Fire Caulk	Red Non-Fibrous Homogeneous	100	None	No Asbestos Detected
92-Mastic 021803341-0092	Black Mastic/Cloth	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
95 021803341-0095	Black Tar	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

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## 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
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Analyst(s)

Stephen Bennett (23)

Stephen Bennett, Laboratory Manager  
or other approved signatory

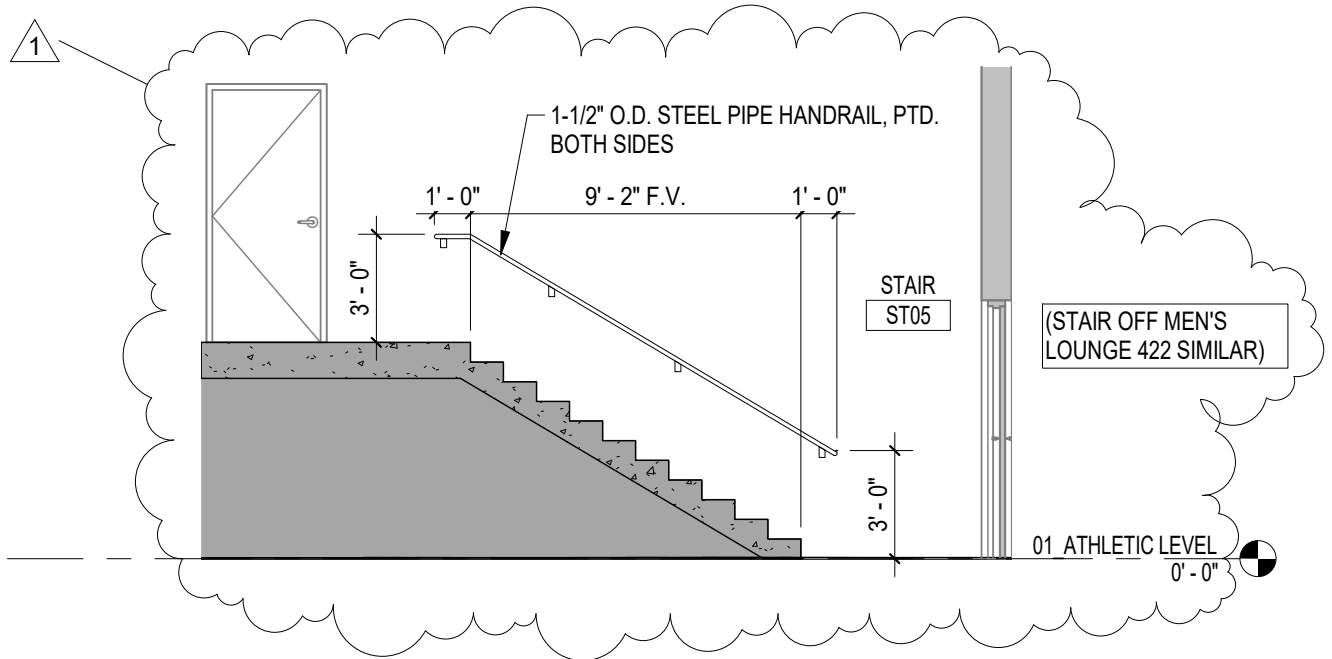
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Samples analyzed by EMSL Analytical, Inc. Kenersville, NC

Initial report from: 05/16/2018 15:36:45

Reading No	Time	Type	SHUTTER_CAL	Duration	Units	Sequence	Component	Substrate	Side	Condition	Color	Site	Inspector	Floor	Room	Misc 1	Misc 2	Results	Depth Index	Action Level	Res	EScale1	Esclct	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
173	5/9/2018 7:03	SHUTTER_CAL		90.57	cps	Final															399.05	4.12	2.47	3.48	0	0.45	0 < LOD	1.39	
174	5/9/2018 7:20	PAINT		4.14	mg / cm ^2	Final	calibrate				WHITE							Negative	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0 < LOD	1.09		
175	5/9/2018 7:20	PAINT		3.85	mg / cm ^2	Final	calibrate				GREEN							Negative	1.05	0.7			0.29	0.07 < LOD	0.07 < LOD	0.07 < LOD	1.65		
176	5/9/2018 7:21	PAINT		4.15	mg / cm ^2	Final	calibrate				WHITE							Negative	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	1.56		
177	5/9/2018 7:21	PAINT		4.8	mg / cm ^2	Final	calibrate				RED							Positive	1.1	0.7			1	0.1	1	0.1 < LOD	0.9		
178	5/9/2018 7:22	PAINT		4.17	mg / cm ^2	Final	calibrate				GREEN							Negative	1.11	0.7			0.3	0.07 < LOD	0.07 < LOD	0.07 < LOD	0.86		
179	5/9/2018 9:09	PAINT		17.64	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Null	1.06	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.4		
180	5/9/2018 9:10	PAINT		20	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Null	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.4		
181	5/9/2018 9:11	PAINT		20	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Null	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.75		
182	5/9/2018 9:12	PAINT		0.32	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Null	1	0.7			< LOD	0.06 < LOD	0.06 < LOD	0.06 < LOD	0.75		
183	5/9/2018 9:12	PAINT		20	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Null	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.79		
184	5/9/2018 9:16	PAINT		20	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Null	4.2	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.81		
185	5/9/2018 9:16	PAINT		4.16	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Null	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.4		
186	5/9/2018 9:17	PAINT		20	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Null	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.4		
187	5/9/2018 9:17	PAINT		20	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Null	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.75		
188	5/9/2018 9:18	PAINT		20	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training room C	icerroom		Negative	6.93	0.7			< LOD	0.04 < LOD	0.04 < LOD	0.04 < LOD	0.4		
189	5/9/2018 9:20	PAINT		12.18	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	shower	mens shower		Null	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.75		
190	5/9/2018 9:21	PAINT		13.11	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	shower	mens shower		Negative	1.31	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.75		
191	5/9/2018 9:22	PAINT		9.91	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training rm c	ice room		Negative	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.4		
192	5/9/2018 9:22	PAINT		3.84	mg / cm ^2	Final	FLOOR	ceramic		good	BROWN	coliseum		BASEMENT	training rm c	ice room		Negative	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.89		
193	5/9/2018 10:08	PAINT		4.15	mg / cm ^2	Final	DOOR	WOOD		good	grey	coliseum		BASEMENT	417 dressing room	417 dressing room		Negative	1	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	0.95		
194	5/9/2018 10:08	PAINT		3.83	mg / cm ^2	Final	DOOR	WOOD		good	grey	coliseum		BASEMENT	417 dressing room	417 dressing room		Negative	1.24	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	1.56		
195	5/9/2018 10:09	PAINT		3.84	mg / cm ^2	Final	DOOR FRAME	METAL		good	grey	coliseum		BASEMENT	417 dressing room	417 dressing room		Negative	1.33	0.7			< LOD	0.03 < LOD	0.03 < LOD	0.03 < LOD	1.05		
196	5/9/2018 10:09	PAINT		4.13	mg / cm ^2	Final	DOOR FRAME	METAL		good	grey	coliseum		BASEMENT	417 dressing room	417 dressing room		Negative	1.6	0.7			< LOD	0.05 < LOD	0.05 < LOD	0.05 < LOD	1.06		
197	5/9/2018 12:11	PAINT		4.14	mg / cm ^2	Final	CALIBRATE			good	GREEN							Negative	1.19	0.7			0.3	0.08 < LOD	0.08 < LOD	0.08 < LOD	0.7		
198	5/9/2018 12:11	PAINT		6.73	mg / cm ^2	Final	CALIBRATE			good	RED							Positive	1.17	0.7			1.1	0.1	1.1	0.1 < LOD	1.12		
199	5/9/2018 12:11	PAINT		3.85	mg / cm ^2	Final	CALIBRATE			good	GREEN							Negative	1	0.7			0.28	0.06	0.06	0.06	1	0.4	





**1 SECTION AT STAIR - HANDRAILS**  
 SK-1 3/16" = 1'-0" REFERENCED ON: A1.1

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**PROJECT TITLE**  
**MEN'S BASKETBALL PRACTICE FACILITY LOCKER ROOM**  
 Carolina Coliseum  
 650 Park Street  
 Columbia, SC 29201  
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**REVISION:**  
  
**ARCH PROJECT NO:**  
**U470.17**  
**DATE:**  
**5.23.18**

**ISSUED VIA:**  
**NEW STAIR HANDRAILS**  
**REFERENCE:**  
**A1.1 AND X1.1**  
**SKETCH NO:**  
**SK-1**