Addendum No. 1

TO: ALL BIDDERS OF RECORD

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 Where any original item is amended, voided or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

BIDDER SHALL ACKNOWLEDGE RECEIPT OF ADDENDUM IN THE SPACE PROVIDED ON THE BID FORM. FAILURE TO DO SO MAY CONSTITUTE INFORMALITY IN THE BID.

I. General

- 1. A non-mandatory Pre-Bid Conference was held at the Office of University Facilities on October 30, 2012. The sign-in sheet is attached with this addendum.
- 2. Bids will be due November 13, 2012 at 2 pm 743 Greene St, Columbia, SC. Bids received after that time will not be accepted. Contact Juaquana Brookins at USC (803)777-3596 if bids are delivered other than in person (by mail, etc.).
- 3. Blatt PE Center is open 7:00am-8:00pm Monday-Friday and closed on weekends
- 4. Working after hours or weekends can be setup (occasionally there are events on weekends, but you will be informed of the dates well in advance.) This will be needed for any of the construction that has loud noise; we do not want to disturb classes.
- See attached fall schedule. Generally, Monday/Wednesday & Tuesday/Thursday classes are consistent.
- 6. There will not be an additional scheduled site visit, if you would like an additional viewing of the building please call Pete Fisher at 803.777.9346.

II. CHANGES TO TECHNICAL SPECIFICATIONS AND DRAWINGS

Item No. Description

1. Refer to Specification Section 16721, Page 9

Edwards System Technologies (EST) is an additional approved fire alarm system manufacturer.

2. <u>Refer to Drawings E1.1A, E1.1B, E1.2A, E1.2B, E1.3A, and E1.3B:</u>

Change note on drawings from:

"All conduit in this room shall be RMC type (Galvanized Rigid Steel) with threaded fittings."

To read:

"All conduit and associated fittings in this room shall be Aluminum RMC type with threaded fittings."

- 3. Refer to Drawing E1.2C: Add one relay-type addressable interface module (AIU) and associated wiring and programming to control power to existing magnetic door holders at the existing double doors located in Vestibule V201 that lead into Corridor H215.
- 4. <u>General Note:</u> There is an existing wet-pipe sprinkler system in the building that serves various spaces. Include labor and materials to monitor an existing wet-pipe sprinkler riser system Include two addressable interface units (AIU's); One to monitor an existing flow switch and one to monitor 5 sprinkler valves. Also include 5 rising-stem and/or rip-cord type valve tamper switches and all associated wiring, raceway, and programming necessary to properly monitor the existing sprinkler system in accordance with NFPA 13 and NFPA 72.

End: Addendum No. 1

Start	End	Customer	Event	Location
Monday, Nov	ember 12, 20	012		
8:00 AM	8:50 AM	Dept. of Physical Education	PEDU 310	110
8:00 AM	8:50 AM	Dept. of Physical Education	PEDU 520-01	111
8:00 AM	8:50 AM	Dept. of Physical Education	PEDU 515-01	135
8:00 AM	8:50 AM	Dept. of Physical Education	PEDU 310	Classroom 118
8:00 AM	8:50 AM	Dept. of Physical Education	PEDU 515-01	Gym 305 A
9:05 AM	9:55 AM	Dept. of Physical Education	PEDU 366-01	110
9:05 AM	9:55 AM	Dept. of Physical Education	PEDU 570-01	111
9:05 AM	10:20 AM	Dept. of Physical Education	PEDU 575-01	134
9:05 AM	9:55 AM	Dept. of Physical Education	PEDU 300-01	135
9:05 AM	10:55 AM	Dept. of Physical Education	PEDU 292-01	217
9:05 AM	9:55 AM	Dept. of Physical Education	PEDU 300-01	Classroom 118
9:05 AM	10:20 AM	Dept. of Physical Education	PEDU 575-01	Gym 307
9:05 AM	9:55 AM	Dept. of Physical Education -	PEDU 104-01	Gym 305 A
9.05 AIVI	9.55 AIVI	PA	PEDU 104-01	Gylli 303 A
10:10 AM	11:00 AM	Dept. of Physical Education	PEDU 300-02	135
10:10 AM	11:00 AM	Dept. of Physical Education	PEDU 300-02	Classroom 118
10:10 AM	11:00 AM	Dept. of Physical Education - PA	PEDU 146-03	111
10:10 AM	11:00 AM	Dept. of Physical Education - PA	PEDU 107-02	Aerobic Studio
10:10 AM	11:40 AM	Dept. of Physical Education - PA	PEDU 100J-03	Dance 107
10:10 AM	11:00 AM	Dept. of Physical Education - PA	PEDU 123-04	Dance 114
10:10 AM	11:00 AM	Dept. of Physical Education - PA	PEDU 136-05	Dance 116
10:10 AM	11:00 AM	Dept. of Physical Education - PA	PEDU 119	Field A
10:10 AM	11:00 AM	Dept. of Physical Education - PA	PEDU 195-01	Gym 305 A/B
10:10 AM	11:00 AM	Dept. of Physical Education - PA	PEDU 117-01	Gym 308
10:10 AM	11:00 AM	Dept. of Physical Education - PA	PEDU 105-01	Weight Room 306
11:15 AM	12:05 PM	Department of Theater & Dance	THEA 170-02	134
11:15 AM	12:05 PM	Dept. of Exercise Science	EXSC 303	111
11:15 AM	12:05 PM	Dept. of Physical Education	PEDU 300-04	135
11:15 AM	12:05 PM	Dept. of Physical Education	PEDU 300-04	Classroom 118
11:15 AM	12:05 PM	Dept. of Physical Education - PA	PEDU 102-02	110
11:15 AM	1:10 PM	Dept. of Physical Education - PA	PEDU 350L-01	217
11:15 AM	12:00 PM	Dept. of Physical Education - PA	PEDU 107-06	Aerobic Studio
11:15 AM	12:05 PM	Dept. of Physical Education - PA	PEDU 195-02	Gym 305 A/B

Start	End	Customer	Event	Location
Monday, Nov	ember 12, 20)12		
11:15 AM	12:05 PM	Dept. of Physical Education - PA	PEDU 101-05	Gym 307
11:15 AM	12:05 PM	Dept. of Physical Education - PA	PEDU 102-02	Gym 308
11:15 AM	12:05 PM	Dept. of Physical Education - PA	PEDU 105-02	Weight Room 306
12:20 PM	1:10 PM	Dept. of Physical Education	PEDU 300-05	135
12:20 PM	1:10 PM	Dept. of Physical Education	PEDU 300-05	Classroom 118
12:20 PM	1:10 PM	Dept. of Physical Education - PA	PEDU 139-01	134
12:20 PM	1:10 PM	Dept. of Physical Education - PA	PEDU 139-01/02	Blossom St.
12:20 PM	1:50 PM	Dept. of Physical Education - PA	PEDU 123-05	Dance 114
12:20 PM	1:10 PM	Dept. of Physical Education - PA	PEDU 139-01	Field A
12:20 PM	1:50 PM	Dept. of Physical Education - PA	PEDU 101-04	Gym 307
12:20 PM	1:50 PM	Dept. of Physical Education - PA	PEDU 123-05	Gym 308
1:00 PM	2:00 PM	Dept. of Exercise Science	PHYT 785	111
1:25 PM	2:40 PM	Dept. of Physical Education	PEDU 451	135
1:25 PM	2:15 PM	Dept. of Physical Education - PA	PEDU 100L-01	Dance 107
1:25 PM	2:15 PM	Dept. of Physical Education - PA	PEDU 112-1	Gym 305 A/B
1:25 PM	2:15 PM	Dept. of Physical Education - PA	PEDU 105-04	Weight Room 306
2:30 PM	3:45 PM	Dept. of Exercise Science	UNIV 101	110
2:30 PM	3:45 PM	Dept. of Physical Education	PEDU 263-01	111
2:30 PM	4:00 PM	Dept. of Physical Education - PA	PEDU 177-07	Aerobic Studio
2:30 PM	3:20 PM	Dept. of Physical Education - PA	PEDU 100J-09	Dance 107
2:30 PM	3:20 PM	Dept. of Physical Education - PA	PEDU 137-01	Gym 308
2:45 PM	4:00 PM	Dept. of Physical Education	PEDU263-02	134
3:35 PM	4:25 PM	Dept. of Physical Education - PA	PEDU 100J-01	Dance 107
4:00 PM	5:15 PM	Dept. of Exercise Science	EXSC 531	111
4:00 PM	5:30 PM	Dept. of Physical Education - PA	PEDU 177-04	Aerobic Studio
4:30 PM	5:45 PM	Dept. Of Dance	DANC E380	Dance 107
5:00 PM	6:15 PM	Dept. of Physical Education	PEDU 575-02	135
5:00 PM	6:15 PM	Dept. of Physical Education	PEDU 575-02	Gym 305 A/B
5:30 PM	6:45 PM	Dept. of Physical Education	PEDU 310-04	111

Start	End	Customer	Event	Location
Monday, Nov	ember 12, 20	012		
6:00 PM	8:00 PM	Dept. of Physical Education - PA	PEDU 177-01	Dance 114
6:30 PM	8:00 PM	Dept. of Physical Education - PA	PEDU 180-04	Gym 307
Tuesday, Nov	vember 13, 2	012		
8:00 AM	9:15 AM	Dept. of Physical Education	PEDU 348-01	134
8:00 AM	9:15 AM	Dept. of Physical Education	PEDU 300-03	135
8:00 AM	9:15 AM	Dept. of Physical Education	PEDU 736	217
8:00 AM	8:50 AM	Dept. of Physical Education	PEDU 100G-01	Aerobic Studio
8:00 AM	9:15 AM	Dept. of Physical Education	PEDU 300-03	Classroom 118
8:00 AM	8:50 AM	Dept. of Physical Education	PEDU 100G-01	Gym 305 A
8:00 AM	8:50 AM	Dept. of Physical Education	PEDU 100G-01	Pool Lane A
8:00 AM	8:50 AM	Dept. of Physical Education	PEDU 100G-01	Pool Lane B
8:00 AM	8:50 AM	Dept. of Physical Education - PA	PEDU 100J-07	Dance 107
8:00 AM	9:30 AM	Dept. of Physical Education - PA	PEDU 123-09	Dance 114
9:30 AM	10:45 AM	Dept. of Exercise Science	UNIV 101	110
9:30 AM	12:15 PM	Dept. of Physical Education	PEDU 462	134
9:30 AM	12:15 PM	Dept. of Physical Education	PEDU 360-01	135
9:30 AM	10:45 AM	Dept. of Physical Education	PEDU 348L-02	217
9:30 AM	12:15 PM	Dept. of Physical Education	PEDU 340-01	Gym 305 A/B
9:30 AM	12:15 PM	Dept. of Physical Education	PEDU 440	Gym 307
9:30 AM	10:45 AM	Dept. of Physical Education - PA	PEDU 350-01	111
9:30 AM	11:00 AM	Dept. of Physical Education - PA	PEDU 107-04	Aerobic Studio
9:30 AM	10:20 AM	Dept. of Physical Education - PA	PEDU 100J-08	Dance 107
9:30 AM	10:20 AM	Dept. of Physical Education - PA	PEDU 105-03	Weight Room 306
11:00 AM	12:15 PM	Dept. of Exercise Science	EXSC 351	111
11:00 AM	12:15 PM	Dept. of Physical Education	PEDU 350L-02	217
11:00 AM	12:15 PM	Dept. of Physical Education - PA	PEDU 102-01	110
11:00 AM	12:30 PM	Dept. of Physical Education - PA	PEDU 100I-01	Dance 107
11:00 AM	12:15 PM	Dept. of Physical Education - PA	PEDU 102-01	Gym 308
11:00 AM	12:30 PM	Dept. of Physical Education - PA	PEDU 106-01	Weight Room 306
12:00 PM	2:00 PM	Dept. of Physical Education - PA	PEDU 185-01	Pool Lane A
12:00 PM	2:00 PM	Dept. of Physical Education - PA	PEDU 185-01	Pool Lane B

Start	End	Customer	Event	Location
Tuesday, Nov	ember 13, 20	012		
12:30 PM	1:45 PM	Dept. of Exercise Science	EXSC 780	111
12:30 PM	1:45 PM	Dept. of Physical Education	PEDU 492	217
12:30 PM	1:45 PM	Dept. of Physical Education - PA	PEDU 232-01	134
12:30 PM	2:00 PM	Dept. of Physical Education - PA	PEDU 123-07	Classroom 118
12:30 PM	2:00 PM	Dept. of Physical Education - PA	PEDU 100I-02	Dance 107
12:30 PM	1:20 PM	Dept. of Physical Education - PA	PEDU 100J-04	Gym 307
12:30 PM	2:00 PM	Dept. of Physical Education - PA	PEDU 177-03	Gym 308
12:30 PM	2:00 PM	Dept. of Physical Education - PA	PEDU 106-02	Weight Room 306
2:00 PM	5:00 PM	Dept. of Exercise Science	EXSC 563	110
2:00 PM	3:15 PM	Dept. of Exercise Science	UNIV 101	111
2:00 PM	3:15 PM	Dept. of Physical Education	PEDU 510-01	134
2:00 PM	3:15 PM	Dept. of Physical Education	PEDU 575-03	135
2:00 PM	3:15 PM	Dept. of Physical Education	PEDU 575-03	Gym 305 A/B
2:00 PM	3:15 PM	Dept. of Physical Education	PEDU 510-01	Gym 308
2:00 PM	2:50 PM	Dept. of Physical Education - PA	PEDU 100J-05	Aerobic Studio
2:00 PM	3:30 PM	Dept. of Physical Education - PA	PEDU 177-02	Dance 107
2:00 PM	3:30 PM	Dept. of Physical Education - PA	PEDU 180-03	Gym 307
2:00 PM	2:50 PM	Dept. of Physical Education - PA	PEDU 129-01	R4
2:00 PM	2:50 PM	Dept. of Physical Education - PA	PEDU 129-01	R5
2:00 PM	2:50 PM	Dept. of Physical Education - PA	PEDU 129-01	R6
2:00 PM	2:50 PM	Dept. of Physical Education - PA	PEDU 129-01	R7
2:00 PM	2:50 PM	Dept. of Physical Education - PA	PEDU 129-01	R8
3:30 PM	5:45 PM	Dept. of Exercise Science	EXSC 191	111
3:30 PM	5:30 PM	Dept. of Physical Education - PA	PEDU 100E-01	Aerobic Studio
3:30 PM	5:00 PM	Dept. of Physical Education - PA	PEDU 100J-06	Dance 107
4:30 PM	7:15 PM	Dept. of Physical Education	PEDU 730	135
5:00 PM	6:15 PM	Dept. of Physical Education	PEDU 575-04	134
5:00 PM	6:15 PM	Dept. of Physical Education	PEDU 575-04	Gym 305 A/B
5:30 PM	7:00 PM	Dept. of Physical Education - PA	PEDU 177-10/11	Dance 114

Start	End	Customer	Event	Location
Tuesday, Nov	ember 13, 20	012		
6:00 PM	6:50 PM	Dept. of Physical Education - PA	PEDU 174-01	Dance 107
7:00 PM	7:50 PM	Dept. of Physical Education - PA	PEDU 170-01	Dance 107



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Attn: Ed Pitts

Fax:

University of South Carolina

743 Greene Street Columbia, SC 29208

(803) 777-7334 Phone: (803) 777-7000

Project: #138 Blatt PE Center

Customer ID:

UNSC62

Customer PO:

Received: EMSL Order: 11/06/09 10:00 AM

020906494

EMSL Proj:

Analysis Date: 11/10/2009

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

		Non-Asbestos				<u>Asbestos</u>	
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type	
1 020906494-0001	Fireproofing	Tan Fibrous Heterogeneous	97%	Cellulose	3% Non-fibrous (other)	None Detected	
2 020906494-0002	Sheetrock	Brown/Gray Fibrous Heterogeneous	40%	Cellulose	60% Non-fibrous (other)	None Detected	
3 020906494-0003	Joint Compound	Gray Non-Fibrous Heterogeneous	1%	Cellulose	96% Non-fibrous (other)	3% Chrysotile	
4 020906494-0004	Joint Compound	Gray/White Non-Fibrous Heterogeneous	<1%	Cellulose	98% Non-fibrous (other)	2% Chrysotile	
5 020906494-0005	Ceiling Tile	Gray/Tan/White Fibrous Heterogeneous	40% 40%	Cellulose Min. Wool	20% Non-fibrous (other)	None Detected	
6 020906494-0006	Sheetrock	Brown/Gray/Tan Fibrous Heterogeneous	55% 1%	Cellulose Glass	44% Non-fibrous (other)	None Detected	
7 020906494-0007	Ceiling Tile	Gray/White Fibrous Heterogeneous	55% 5%	Cellulose Min. Wool	40% Non-fibrous (other)	None Detected	

Analyst(s)	Style Bount
Scott Combs (24)	Stephen Bennett, Laboratory Manager

or other approved signatory

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



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Project: #138 Blatt PE Center

Customer ID: UNSC62

Customer PO:

Received: EMSL Order: 11/06/09 10:00 AM

020906494

EMSL Proj:

Analysis Date: 11/10/2009

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

		Non-Asbestos				<u>Asbestos</u>
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
8-Sheetrock 020906494-0008	Sheetrock	Brown/Gray Fibrous Heterogeneous	60%	Cellulose	40% Non-fibrous (other)	None Detected
8-Joint Compound 020906494-0008A	Sheetrock	White Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other)	None Detected
9 020906494-0009	Joint Compound	White/Beige Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other)	None Detected
10 020906494-0010	Ceiling Tile	Gray/White Fibrous Heterogeneous	45% 30%		25% Non-fibrous (other)	None Detected
11 020906494-0011	Sheetrock	Brown/Gray Fibrous Heterogeneous	55% 1%	Cellulose Glass	44% Non-fibrous (other)	None Detected
12 020906494-0012	Joint Compound	White Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other)	None Detected
13 020906494-0013	Ceiling Tile	Gray/White Fibrous Heterogeneous	70%	Cellulose	30% Non-fibrous (other)	None Detected

Analyst(s)	Style Bound
Scott Combs (24)	Stephen Bennett, Laboratory Manager or other approved signatory

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Project: #138 Blatt PE Center

Customer ID:

UNSC62

Customer PO:

Received: EMSL Order: 11/06/09 10:00 AM

020906494

EMSL Proj:

Analysis Date: 11/10/2009

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

			<u>Asbestos</u>			
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
14 020906494-0014	Joint Compound	White Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other)	None Detected
15 020906494-0015	Sheetrock	Brown/Gray Non-Fibrous Heterogeneous	3%	Cellulose	97% Non-fibrous (other)	None Detected
16 020906494-0016	Ceiling Tile	Gray/White Fibrous Heterogeneous	45% 30%	Cellulose Min. Wool	25% Non-fibrous (other)	None Detected
17-Sheetrock 020906494-0017	Sheetrock	Brown/Gray Fibrous Heterogeneous	30% 1%	Cellulose Glass	69% Non-fibrous (other)	None Detected
17-Texture 020906494-0017A	Sheetrock	Gray/Tan/Beige Non-Fibrous Heterogeneous	3%	Cellulose	97% Non-fibrous (other)	None Detected
18 020906494-0018	Joint Compound	Gray Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other)	None Detected
19 020906494-0019	Ceiling Tile	Gray/White Fibrous Heterogeneous	45% 30%		25% Non-fibrous (other)	None Detected

Stephen Bennett, Laboratory Manager or other approved signatory

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743 Greene Street Columbia, SC 29208

(803) 777-7334 Phone: (803) 777-7000

Project: #138 Blatt PE Center

Customer ID: Customer PO:

UNSC62

Received:

11/06/09 10:00 AM

EMSL Order:

020906494

EMSL Proj:

Analysis Date: 11/10/2009

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

			Non-Asbestos			<u>Asbestos</u>
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
20 020906494-0020	Joint Compound	White Non-Fibrous Heterogeneous	<1%	Cellulose	100% Non-fibrous (other)	None Detected
21 020906494-0021	Sheetrock	Brown/Gray Fibrous Heterogeneous		Cellulose Glass	69% Non-fibrous (other)	None Detected
22 020906494-0022	Stucco	Gray Non-Fibrous Heterogeneous	<1%	Cellulose	97% Non-fibrous (other)	3% Chrysotile

Analyst(s)	Style 1.
Scott Combs (24)	Stephen Bennet

Stephen Bennett, Laboratory Manager or other approved signatory

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Reading No	Time	Type	Duration	Units	Sequence	Component	Substrate	Side
2036	11/4/2009 11:46	PAINT	1.36	mg / cm ^2	Final	WALL	CONCRETE	
2037	11/4/2009 11:46	PAINT	3.24	mg / cm ^2	Final	WALL	CONCRETE	
2038	11/4/2009 11:47	PAINT	3.5	mg / cm ^2	Final	WALL	CONCRETE	
2039	11/4/2009 11:47	PAINT	4.57	mg / cm ^2	Final	WALL	CONCRETE	
2040	11/4/2009 11:48	PAINT	2.99	mg / cm ^2	Final	WALL	CONCRETE	
2041	11/4/2009 11:49	PAINT	3.24	mg / cm ^2	Final	WALL	CONCRETE	
2042	11/4/2009 11:49	PAINT	4.06	mg / cm ^2	Final	WALL	CONCRETE	
2043	11/4/2009 11:49	PAINT	3.51	mg / cm ^2	Final	WALL	CONCRETE	
2044	11/4/2009 11:50	PAINT	3.52	mg / cm ^2	Final	WALL	CONCRETE	
2045	11/4/2009 11:52	PAINT	3.51	mg / cm ^2	Final	WALL	CONCRETE	
2046	11/4/2009 11:52	PAINT	3.24	mg / cm ^2	Final	WALL	CONCRETE	
2047	11/4/2009 11:53	PAINT	3.8	mg / cm ^2	Final	WALL	CONCRETE	
2048	11/4/2009 11:53	PAINT	3.52	mg / cm ^2	Final	WALL	CONCRETE	
2049	11/4/2009 11:54	PAINT	3.5	mg / cm ^2	Final	WALL	CONCRETE	
2050	11/4/2009 11:55	PAINT	4.59	mg / cm ^2	Final	WALL	CONCRETE	
2051	11/4/2009 11:55	PAINT	3.24	mg / cm ^2	Final	WALL	CONCRETE	
2052	11/4/2009 11:56	PAINT	3.24	mg / cm ^2	Final	WALL	CONCRETE	
2053	11/4/2009 12:00	PAINT	3.25	mg / cm ^2	Final	WALL	CONCRETE	
2054	11/4/2009 12:00	PAINT	3.52	mg / cm ^2	Final	WALL	CONCRETE	
2055	11/4/2009 12:01	PAINT	5.41	mg / cm ^2	Final	WALL	CONCRETE	
2056	11/4/2009 12:02	PAINT	4.87	mg / cm ^2	Final	WALL	CONCRETE	

Condition	Color	Site	Inspector	Floor	Room	Misc 1	Misc 2
PEELING	WHITE	BLATT PE CENTER	D WASHINGTON	SECOND	HALL		
PEELING	WHITE	BLATT PE CENTER	D WASHINGTON	SECOND	HALL		
PEELING	WHITE	BLATT PE CENTER	D WASHINGTON	SECOND	HALL		
PEELING	WHITE	BLATT PE CENTER	D WASHINGTON	SECOND	HALL		
PEELING	WHITE	BLATT PE CENTER	D WASHINGTON	SECOND	HALL		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	SECOND	HANDBALL ROOM		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	SECOND	HANDBALL ROOM		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	SECOND	HANDBALL ROOM		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	SECOND	HANDBALL ROOM		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	THIRD	BASKETBALL COURT		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	THIRD	BASKETBALL COURT		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	THIRD	BASKETBALL COURT		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	THIRD	BASKETBALL COURT		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	THIRD	WEIGHT ROOM		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	THIRD	WEIGHT ROOM		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	THIRD	WEIGHT ROOM		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	THIRD	WEIGHT ROOM		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	FIRST	102		
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	FIRST	103	,	
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	FIRST	111	•	
INTACT	WHITE	BLATT PE CENTER	D WASHINGTON	FIRST	113		

Results	Depth Index	Action Level	PbC	PbC Error	PbL	PbL Error	PbK	PbK Error
Null	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	2.62
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.04
Negative	6.03	0.7	< LOD	0.09	< LOD	0.09	< LOD	1.2
Negative	1.61	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.05
Negative	2.08	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.67
Negative	1.04	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.03
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.05
Negative	1.18	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.16
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.07
Negative	1.26	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.05
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.01
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.05
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.03
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	1
Negative	1.93	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.05
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	0.96
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	1.02
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	1
Negative	1	0.7	< LOD	0.03	< LOD	0.03	< LOD	0.95
Negative	1.42	0.7	< LOD	0.03	< LOD	0.03	< LOD	0.78
Negative	1.91	0.7	< LOD	0.03	< LOD	0.03	< LOD	0.9

FM00324395

USC Work Order

Description HAZMAT SURVEY-138

Site COLUMBIA

Building 138 BLATT PHYSICAL EDUCATION CENTE

Floor Room:

Doomi

Assigned To JPROVENCE

Crew HAZMAT

Start Date
Due date 11-FEB-10

Request Date 12-JAN-10

by KALLEY

Priority

5

Request # FM00324395 Description HAZMAT SURVEY-138

Parent WO #

Equipment

CP Number CP00285940 BLATT PE CENTER FIRE ALARM UPGRADES

State/Internal Project Number H27-I851

Requestor FISHER, PETER L. Project Manager FISHER, PETER L.

Telephone 7-9346

Alternate

Telephone 777-9346

Estimated Cost \$ 0.00

Telephone Billing FIXED PRICE

Non-Available Time 53100-W384-57120 (COLUMBIA CAMPUS FIRE ALARM

UPGRADES)

Task List

SEE PRELIMINARY PLANS - PETE F 9607372

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)

CAUSE	
CONDITION	
	Price Per Unit
	i nce i ei onic

Supervisor	's Approval
------------	-------------

Note Date Title

USC Work Order

23-FEB-11 HAZMAT SURVEY RESULTS

SURVEY DATE: PREVIOUS DATA

INSPECTOR #: D WASHINGTON II BI-00568

STATUS: THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS CONTAINING MATERIALS

SHEET ROCK- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

JOINT COMPOUND- POSITIVE FOR ASBESTOS CONTAINING MATERIALS

CEILING TILE- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

TEXTURED CEILING MATERIAL (HALLWAYS ON CEILINGS AND STAIRWAYS) -POSITIVE FOR ASBESTOS CONTAINING MATERIALS

BLACK MASTIC ON HVAC DUCT AND PIPES ABOVE CEILING- POSITIVE FOR ASBESTOS CONTAINING MATERIALS

ALL FLOORING AND MASTIC- POSITIVE FOR ASBESTOS CONTAINING MATERIALS

WHITE WALL PAINT- NEGATIVE FOR LEAD BASE PAINT

THE WORK REQUEST DID NOT HAVE ANY SAMPLING INFORMATION CHECKED ON IT. INSPECTORS GATHERED RECENT TESTING INFORMATION THAT THEY THOUGHT WOULD BE DISTURBED IN THE BUILDING FOR THIS JOB. IF ANY MATERIAL YOU COME INTO CONTACT WITH IS NOT LISTED ABOVE PLEASE STOP AND CALL TY RUSSELL FOR TESTING

IF YOU ENCOUNTER ANY SUSPECT MATERIALS IN PLACE AND DEEM IT SUSPECT FOR ASBESTOS PLEASE STOP WORK AND CALL THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING

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

09-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 138 P. E. CENTER
M 2 --> HOT WATER TANK [250 SQ. FT.]
STEAM TUNNEL M2 M3 --> STEAM LINE [237 LIN. FT.]
M2 M3 --> STEAM FITTINGS [36 LIN. FT.]
M2 M3 --> CHILL WATER VALVES [82 SQ. FT.]
M2 M3 --> CHILL WATER ELBOWS [72 LIN. FT.]
--> HOT & COLD WATER LINES [291 LIN. FT.]
M2 M3 --> HOT WATER LINE [250 LIN. FT.]
M2 M5 --> HOT WATER LINE [250 LIN. FT.]
M4 M5 --> HOT WATER LINE [250 LIN. FT.]
M5 HOT WATER LINE [250 LIN. FT.]
M6 HOORS UNDER SIDE OF STAIRWELLS --> SPRAY IN [5,640 SQ. FT.]
M6 --> HOT WATER TANK [70 SQ. 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.



107 Haddon Avenue, Westmont, New Jersey 08108



http://www.emsl.com

EMSL ANALYTICAL, Inc.	CHAIN OF	CUSTODY		
Your Name: Company: Street:	3.C.	EMSL-Bill to:	Third Party Billing require authorization from third po	
Box #:	Management and the state of the	Box #:	The state of the s	
City/State:	Zip -	City/State:		Zip
Phone Results to: Name: Telephone #: Project Name/Number: # 138 B	# PE	Fax Results to: Name: Fax #: Purchase Order #:		
□ 3 Hours □ 6 Hours □ 12 Hours □ 24 Hou		UND TIME	To-s	I management
E 3 Hours E 0 Hours E 12 Hours E 24 Hou		MATRIX	□ 5 Days	☐ 6-10 Days
☐ Air Bulk ☐ Soil ☐ Wipe	☐ Micro-Vac	☐ Drinking Water ☐ V	Wastewater	Other
ASBESTOS ANALYSIS	LEAD ANAL	YSIS	MICROBIAL	ANALYSIS
PCM - Air NIOSH 7400 (A) Issue 2: August 1994 OSHA w/TWA TEM AIR AHERA 40 CFR, Part 763 Subpart E NIOSH 7402 Issue 2 EPA Level II PLM - Bulk EPA 600/R-93/116 NY Stratified Point Count California Air Resource Board (CARB) 435 NIOSH 9002 PLM NOB (Gravimetric) NYS 198.1 EPA Point Count (400 Points) EPA Point Count (1,000 Points) Standard Addition Point Count SOILS EPA Protocol Quantitative EPA Protocol Quantitative EMSL MSD 9000 Method fibers/gram Superfund EPA 540-R097-028 (dust generation) TEM BULK Drop Mount (Qualitative) Chatfield SOP-1988-02 TEM NOB (Gravimetric) NY 198.4 TEM MICROVAC ASTM D 5755-95 (Quantitative) TEM WIPE ASTM D-6480-99 Qualitative TEM WATER	Soil, SW846-742 Air, NIOSH 708: Chips, SW846-708: Chips, SW846-708: Chips, SW846-709: Chips, SW846-709	220 ASTM non ASTM 20 2420 or AOAC 5.009 (974.02) 846-7420 846-1311/7420 CE Atomic Absorption 846-7421 EPA 239.2 LY Coupled Plasma 10 ASTM non ASTM 0 CS ANALYSIS Lification dentification dentification neect Fragments Distribution son autun	Water Samples Total Coliforms, I Escherichia Coli, Legionella Salmonella Giardia and Crypt Wipe and Bulk S Mold & Fungi - I Mold & Fungi - (Agar Plate count & id id Gram Stain id Identification Fecal Coliforms Fecal Streptococcus Iosporidium Gamples Direct Examination Culture follow up to nation if necessary) Culture (Count & ID) Culture (Count only) Gram Stain Identification I types) IOSH 0500 & 0600) M 10, TSP) VXRD Niosh 7500
☐ EPA 100.1 ☐ EFA 100.2 ☐ NYS 198.2	Synthetic Fiber It	us Fibers MMVF's dentification	Other;	
Client Sample # (S)			TOTAL SAMPLE # 2	22
Relinquished: Received: Relinquished: Received:	A	Date: Date: Date: Date: Date:	Time: Time: Time: Time: Page 1 of	(O : 0 <i>O</i>

Building #____BLATT PE CENTER

Sample Analysis

Type of Analysis: Lead / Asbestos Date: 11-02-2009

Turn Around Time

Area	Sample	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to
Þ	_	FIREPROOFING	ABOVE CEILING IN ROOM 202A HALL BEHIND FRONT DESK	п	GOOD	200 SQ FT	LOW
Þ	2	SHEET ROCK	ABOVE CEILING IN ROOM 202A HALL BEHIND FRONT DESK	TI	GOOD	200 SQ FT	LOW
Α	ω	JOINT COMPOUND	ABOVE CEILING IN ROOM 202A HALL BEHIND FRONT DESK	TI	GOOD	80 SQ FT	LOW
Α	4	JOINT COMPOUND	ROOM 202 C	TI	GOOD	50 SQ FT	LOW
A	5	CEILING TILE	ROOM 202 C	П	GOOD	50 SQ FT	LOW
 A	6	SHEET ROCK	ROOM 202 C	F	GOOD	50 SQ FT	LOW
 Α	7	CEILING TILE	RM 212	F	GOOD	70 SQ FT	LOW
 Α	8	SHEET ROCK	RM 212	П	GOOD	70 SQ FT	LOW
Α	9	JOINT COMPOUND	RM 212	F	GOOD	15 SQ FT	LOW
 A	10	CEILING TILE	RM 218 C	F	GOOD	100 SQ FT	LOW
 License # 00568	00568	FM# FM00319713	13 Signature	Requestor		JEFF TAYLOR	

Fax # 803-777-3990

Ed Pitts 803-777-3296 720 College St. Columbia, SC 29208 EHP@fmc.sc.edu

Send lab results in PDF format as soon as possible to: 720 College St. Columbia, SC 29208 WashinDH@fmc.sc.edu Darryl Washington 803-777-2399

Ty Russell 803-777-1208 720 College St. Columbia, SC 29208 NTRusse@fmc.sc.edu

Reset Form

Print Form



Building #_

Sample Analysis

Type of Analysis: Lead / Asbestos Date:

Turn Around Time

A 20		A 18								
JOINT COMPOUND		CEILING TILE	JOINT COMPOUND	SHEET ROCK JOINT COMPOUND CEILING TILE	CEILING TILE SHEET ROCK JOINT COMPOUND CEILING TILE	SHEET ROCK CEILING TILE SHEET ROCK JOINT COMPOUND CEILING TILE	JOINT COMPOUND SHEET ROCK CEILING TILE SHEET ROCK JOINT COMPOUND CEILING TILE	CEILING TILE JOINT COMPOUND SHEET ROCK CEILING TILE SHEET ROCK JOINT COMPOUND CEILING TILE	JOINT COMPOUND CEILING TILE JOINT COMPOUND SHEET ROCK CEILING TILE SHEET ROCK CEILING TILE CEILING TILE	SHEET ROCK JOINT COMPOUND CEILING TILE JOINT COMPOUND SHEET ROCK CEILING TILE SHEET ROCK CEILING TILE CEILING TILE
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				and the second						
RM 11 D	RM 11 D		RM 216 B	RM 26 B	RM 216 B RM 26 B RM 216 B	RM 218 K RM 216 B RM 26 B RM 216 B	RM 218 K RM 218 K RM 216 B RM 26 B RM 216 B	RM 218 K RM 218 K RM 218 K RM 216 B RM 26 B RM 216 B	218 C RM 218 K RM 218 K RM 218 K RM 216 B RM 26 B RM 216 B	218 C 218 C RM 218 K RM 218 K RM 218 K RM 216 B RM 216 B RM 216 B
П	п	_	П	пп	ппп	пппп	п п п п	п п п п	п п п п п	п п п п п п
GOOD	GOOD	_	GOOD	GOOD	GOOD GOOD	GOOD GOOD	GOOD GOOD GOOD	GOOD GOOD GOOD GOOD	GOOD GOOD GOOD GOOD	GOOD GOOD GOOD GOOD GOOD GOOD GOOD GOOD
_	50 SQ FT	_	80 SQ FT							
50 SQ FT	T T		-	4 4	4 4 4	4 4 4 4	4 4 4 4 4	4 4 4 4 4 4	4 4 4 4 4 4 4	4 4 4 4 4 4 4 4

License # Send lab results in PDF format as soon as possible to:
Ed Pitts 803-777-3296 Darryl Washington 803-777-2399

FM#

720 College St. Columbia, SC 29208 WashinDH@fmc.sc.edu

Signature

Requestor_

Ty Russell 803-777-1208 720 College St.

Columbia, SC 29208 NTRusse@fmc.sc.edu

Ed Pitts 803-777-3296
720 College St.
Columbia, SC 29208
EHP@fmc.sc.edu
Fax # 803-777-3990



Building #_

Sample Analysis

Type of Analysis: Lead / Asbestos Date:

Turn Around Time

	18	51			A	Þ	Area
					22	21	Sample ID
					STUCKO SPRAYED ON	SHEET ROCK	Material Sampled
					BASEMENT STA		Material Location
					BASEMENT STAIRWAY BY HANDBALL COURT	RM 112 D	
					п	п	F/NF
			3		GOOD	GOOD	Cond
					200 SQ FT	50 SQ FT	Quantity
					LOW	LOW	Pot to Disturb

Fax # 803-777-3990

Ed Pitts 803-777-3296 720 College St. Columbia, SC 29208 EHP@fmc.sc.edu Send lab results in PDF format as soon as possible to: Darryl Washington 803-777-2399

License #

720 College St. Columbia, SC 29208 WashinDH@fmc.sc.edu

Signature

Requestor

Ty Russell 803-777-1208 720 College St. Columbia, SC 29208 NTRusse@fmc.sc.edu

Print Form

Reset Form



706 Gralin Street, Kernersville, NC 27284

Phone: (336) 992-1025 Fax: (336) 992-4175 Email: greensborolab@emsl.com

Attn: Darryl Washington
University of South Carolina
743 Greene Street
Columbia, SC 29208

138 Blatt PE Center

Customer ID: Customer PO:

UNSC62

Received:

10/22/10 11:00 AM

EMSL Order:

021007232

Fax: (803) 777-7334

Project:

Phone: (803) 777-7000

EMSL Proj:

Analysis Date:

10/25/2010

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

				<u>Asbestos</u>		
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
1-Linoleum 021007232-0001	Vinyl	Gray/White Fibrous Heterogeneous			90% Non-fibrous (other)	10% Chrysotile
1-Mastic 021007232-0001A	Vinyl	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
2 021007232-0002	Vinyl					Stop Positive (Not Analyzed)
3 021007232-0003	Vinyl					Stop Positive (Not Analyzed)
4-Cove Base 021007232-0004	Vinyl Base Molding	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
4-Mastic 021007232-0004A	Vinyl Base Molding	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
5-Floor Tile 021007232-0005	Tile & Mastic	Beige Fibrous Heterogeneous			97% Non-fibrous (other)	3% Chrysotile

Initial report from 10/25/2010 09:27:49	
Analyst(s)	Toph Bount
James Cole (12) Scott Combs (1)	Stephen Bennett, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 706 Gralin Street, Kernersville NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321



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University of South Carolina
743 Greene Street

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743 Greene Street Columbia, SC 29208

Received:

10/22/10 11:00 AM

Achaotao

EMSL Order:

021007232

Fax: (a

(803) 777-7334 **138 Blatt PE Center** Phone: (803) 777-7000

EMSL Proj:

Non-Achaetae

Analysis Date: 10/25/2010

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

				Non-Asb	<u>estos</u>	<u>Asbestos</u>
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
5-Mastic 021007232-0005A	Tile & Mastic	Black Non-Fibrous Homogeneous			95% Non-fibrous (other)	5% Chrysotile
6-Cove Base 021007232-0006	Vinyl Base Molding	Black Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
6-Mastic 021007232-0006A	Vinyl Base Molding	Tan Non-Fibrous Homogeneous			100% Non-fibrous (other)	None Detected
7 021007232-0007	Ceiling Tile	White/Beige Fibrous Heterogeneous	45% 30%	Cellulose Min. Wool	25% Non-fibrous (other)	None Detected
8 021007232-0008	Ceiling Tile	White/Beige Fibrous Heterogeneous	45% 30%	Cellulose Min. Wool	25% Non-fibrous (other)	None Detected
9 021007232-0009	Tile & Mastic					Stop Positive (Not Analyzed)
10 021007232-0010	HVAC Duct Mastic	Tan/Black/Silver Fibrous Heterogeneous	20% 20%	Cellulose Glass	52% Non-fibrous (other)	8% Chrysotile

nitial report from 10/25/2010 09:27:49	
Analyst(s)	the Bount
James Cole (12) Scott Combs (1)	Stephen Bennett, Laboratory Manager or other approved signatory

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743 Greene Street
Columbia, SC 29208

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UNSC62

Received:

10/22/10 11:00 AM

EMSL Order:

021007232

Fax: (Project: 1

(803) 777-7334

138 Blatt PE Center

Phone: (803) 777-7000

EMSL Proj:

Analysis Date: 10/25/2010

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

				Non-Asb	<u>estos</u>	<u>Asbestos</u>
Sample	Description	Appearance	%	Fibrous	% Non-Fibrous	% Type
12 021007232-0011	Ceiling Tile	Gray/White Fibrous Heterogeneous		Cellulose Min. Wool	25% Non-fibrous (other)	None Detected
13 021007232-0012	HVA Duct Mastic					Stop Positive (Not Analyzed)
14 021007232-0013	Tile & Mastic					Stop Positive (Not Analyzed)
15 021007232-0014	HVAC Duct Mastic					Stop Positive (Not Analyzed)
16 021007232-0015	Textured Ceiing	White/Beige Non-Fibrous Heterogeneous			97% Non-fibrous (other)	3% Chrysotile
17 <i>0</i> 21007232-0016	Textured Ceiing					Stop Positive (Not Analyzed)
18 021007232-0017	Textured Ceiing					Stop Positive (Not Analyzed)

Initial report from 10/25/2010 09:27:49	
Analyst(s)	Toph Bount
James Cole (12)	Stephen Bennett, Laboratory Manager

Stephen Bennett, Laboratory Manager or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. 706 Gralin Street, Kernersville NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

Scott Combs (1)



706 Gralin Street, Kernersville, NC 27284

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Attn: Darryl Washington
University of South Carolina
743 Greene Street
Columbia, SC 29208

Customer ID: Customer PO:

UNSC62

Received:

10/22/10 11:00 AM

Asbestos

EMSL Order:

021007232

Fax: Project: (803) 777-7334

138 Blatt PE Center

Phone: (803) 777-7000

EMSL Proj:

Non-Asbestos

Analysis Date: 10/25/2010

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

			14011-7	13063103	ASDESIOS
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
19 021007232-0018	Textured Ceiing				Stop Positive (Not Analyzed)
20 021007232-0019	Textured Ceiing				Stop Positive (Not Analyzed)
21 021007232-0020	Textured Ceiing				Stop Positive (Not Analyzed)
22 021007232-0021	Textured Ceiing				Stop Positive (Not Analyzed)
23 021007232-0022	Textured Ceiing				Stop Positive (Not Analyzed)
24 021007232-0023	Textured Ceiing				Stop Positive (Not Analyzed)
25 021007232-0024	Textured Ceiling				Stop Positive (Not Analyzed)

Initial report from 10/25/2010 09:27:49	
Analyst(s)	Style Bound
James Cole (12) Scott Combs (1)	Stephen Bennett, Laboratory Manager or other approved signatory

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Attn: Darryl Washington
University of South Carolina

743 Greene Street Columbia, SC 29208

(803) 777-7334 Phone: (803) 777-7000

Project: 138 Blatt PE Center

Fax:

Analyst(s)

Stephen Bennett (2)

Customer ID: UNSC62

Customer PO:

Received: 10/22/10 11:00 AM

EMSL Order: 021007232

EMSL Proj:

Analysis Date: 10/25/2010

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
11-Cove Base 021007232-0025	Vinyl Base Molding	Black Non-Fibrous Homogeneous	100.0	None	No Asbestos Detected
11-Mastic 021007232-0025A	Vinyl Base Molding	Tan Non-Fibrous Heterogeneous	100.0	None	No Asbestos Detected

Initial report from 10/25/2010 09:27:49	
	*** / /

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.

Samples analyzed by EMSL Analytical, Inc. 706 Gralin Street, Kernersville NC



107 Haddon Avenue, Wostmoot, New Jersey 08108

1-800-220-3675

http://www.cinsla

EMSL ANAL	YTICAL, Inc.	CHAIN O	F CUSTOD'	Y		
EMSL Rep: U	n of South	anden	4		bird Pacty Billing (eq abortzation from thir	
Company:	att. out richt.		EMSL-Bill to:			
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Name: Telephone #:	917-051	<i></i>	- Name:			
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	138 BLAH PC CO	nter	- arenase corner	····	The transfer of the transfer o	
□ 3 Hours □ 6 Ha	ours C) 12 Hours X24 Hou		OUND TIME	4 Days	□ 5 Days	Q 6-10 Days
			E MATRIX			
□ Air Bulk	R D Soil D Wipe	[] Micro-Vac	D Drinking Water	☐ Was	tewater Chips	[D Other
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	Count are F63 Subpart E Count aree Board (CARB) 435 etric) NYS 198.1 60 Points) Point Count thing the district distr	Soil, SW846-74 Air, NIOSH 708 Chips, SW846-74 Wastewater, SW TCLP LEAD SV Graphite Furna Air, NIOSH 716 Wastewater, SW Soil, SW846-74 Drinking Water CP = Inductive Wipe, SW846-61 Air, NIOSH 736 MATERIAL Fell Particle Ide Dust Mites and Particle Size & Product Compa Paint Character Failure Analysi, Courosion Anal Glove Box Con Petrographic Es Portland Cemer (OSHA ID-133 Man Made Vitr Synthetic Piber Other	420 ASTM non 20 R2 R420 or AOAC \$.009 (* R46-7420 W846-1311/7420 ICE Atomic Absor S R846-7421 R1	974.02) ption na ASTM	Bacterial Cour Bact	by Agar Piata count and Grain Stain and Rentification essentian Rentification essential Rentification essential Rentification of the Re
Client Sample # (S)	-				TOTAL SAMPLE	. 25
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7232

perform positive &



Building #____BLATT PE CENTER

Sample Analysis

Type of Analysis: Lead / Asbestos Date: 10-20-2010

Turn Around Time

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
>	_	WHITE VINYL FLOORING	FLOORING OF BIG ROOM 108	돆	G	628 SQ FT	LOW
>	2	WHITE VINYL FLOORING	FLOORING OF BIG ROOM 108	¥,	G	628 SQ FT	LOW
>	ω	WHITE VINYL FLOORING	(Km 2) FLOORING OF BIG ROOM 108	¥,	G	628 SQ FT	LOW
В	4	BLACK VINYL BASE MOLDING	ON BLOCK WALL MATERIAL OF RM 108	¥,	G	85 LIN FT	LOW
n	σ	GREEN 12X12 TILE AND MASTIC	SMALL WALKWAY OFF OF ROOM 108	짂	G	48 SQ FT	LOW
B	o	BLACK VINYL BASE MOLDING	SMALL WALKWAY OFF OF ROOM 108	¥,	G	12 LIN FT	LOW
D	7	2X4 WHITE CEILING TILE	CEILING OF SMALL WALKWAY OFF RM 108	FI	G	48 SQ FT	LOW
0	ω	2X4 WHITE CEILING TILE	ROOM 108 A	П	G	528 SQ FT	LOW
c	9	GREEN 12X12 TILE AND MASTIC	ROOM 108A	п	G	528 SQ FT	LOW
т	10	HVAC BLACK DUCT MASTIC	ON HVAC DUCT ABOVE CEILING ROOM 108 A	Z _T	G	.5 CB FT	LOW
License	License # ASBI-00568 Send lab	SBI-00568 FM# FM00346872 Send lab results in PDF format as soon as possible to:	Signature Of With	Requestor	JEFF ABRAMS	BRAMS	

021007232

720 College St.
Columbia, SC 29208
EHP@fmc.sc.edu
Fax # 803-777-3990

Send lab results in PDF format as soon as possible to: Ed Pitts 803-777-3296 Darryl Washington 803-777-2399 720 College St. Columbia, SC 29208 WashinDH@fmc.sc.edu

Ty Russell 803-777-1208 720 College St. Columbia, SC 29208

NTRusse@fmc.sc.edu



Building #

Sample Analysis

Type of Analysis: Lead / Asbestos Date:

Turn Around Time

Area	Sample	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to
В	1	BLACK VINYL BASE MOLDING	ON BLOCK WALL MATERIAL OF ROOM 108 A	짂	G	40 LIN FT	LOW
D	12	2X4 WHITE CEILING TILE	CEILING TILE FROM ROOM 108C	П	G	140 SQ FT	LOW
ш	13	HVAC BLACK DUCT MASTIC	Tem 3N HVAC DUCT ABOVE CEILING ROOM 108C	짂	G	.2 CB FT	LOW
C	14	GREEN 12X12 TILE AND MASTIC	TCM () UNDER CARPET IN ROOM 108 B	짂	G	168 SQ FT	LOW
ш	15	HVAC BLACK DUCT MASTIC	ON HVAC DUCT ABOVE CEILING IN ROOM 108 B	죾	ဂ	.3 CB FT	LOW
П	16	TEXTURED CEILING MATERIAL	SPRAYED ON CEILING OUTSIDE LONG HALL LEFT SIDE	п	G	168 SQ FT	LOW
п	17	TEXTURED CEILING MATERIAL	SPRAYED ON CEILING OUTSIDE LONG HALL LEFT SIDE	п	G	168 SQ FT	LOW
п	18	TEXTURED CEILING MATERIAL	SPRAYED ON CEILING OUTSIDE LONG HALL LEFT SIDE	п	G	168 SQ FT	LOW
т	19	TEXTURED CEILING MATERIAL	SPRAYED ON CEILING OUTSIDE LONG HALL LEFT SIDE	п	G	168 SQ FT	LOW
 П	20	TEXTURED CEILING MATERIAL	SPRAYED ON CEILING OUTSIDE LONG HALL LEFT SIDE	п	G	168 SQ FT	LOW
License #		FM#	Signature	Requestor	or _		

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Building #

Sample Analysis
Type of Analysis: Lead / Asbestos Date:

Turn Around Time

Г				1						, ,
License #					F	F	П	П	П	Area
					25	24	23	22	21	Sample ID
FM#	-				TEXTURED CEILING MATERIAL	Material Sampled				
Signature		IN BOTH AREAS.	ALL CEILING TEXTURE APPEARS TO BE THE SAME		SPRAYED CEILING OF ROOM 108	Material Location				
_ Requestor_					П	F	Ŧ	П	П	F/NF
tor					9	G	G	9	G	Cond
					628 SQ FT	Quantity				
•					LOW	LOW	LOW	LOW	LOW	Pot to Disturb

 Send lab results in PDF format as soon as possible to:

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University of South Carolina Columbia, South Carolina

Pre Bid for Blatt PE Center Fire Alarm Project Number: H27-I851-B Pre Bid Date & Time: October 30, 2012, 10am

ATTENDEE'S NAME **COMPANY NAME & MAILING ADDRESS** ROGER FARIAS W. Columbia. PHONE# 803 FAX# EMAIL rafarias @ Precision fire Solutions. com Darrell Russell Brad's Electric, Inc. 604 Greenwood West Columbia, 5C 29/69 PHONE# 803-791 - 7344 FAX# 803-794 - 9455 EMAIL darrell. russell @ brads electricing. com MIKE MUMAY S.MPLRICK, WILL 3243 BUNGET BLUB West COLUMBIA PHONE# SO3- 476-0000 803 -476 -0039 EMAIL Mic MUITAV & SIMPLUAGRIUME - - COOP Mate Mills SC 29607 PHONE# 288-1900 FAX# (864) 281-9444 **EMAIL** Mmills @ pro-42 secoty. com

Make sure to include your company name (on this form) as registered with LLR.



University of South Carolina Columbia, South Carolina

Pre Bid for Blatt PE Center Fire Alarm Project Number: H27-I851-B Pre Bid Date & Time: October 30, 2012, 10am

ATTENDEE'S NAME	COMPANY NAME & MAILING ADDRESS
Joe Land	Belle Engineering Assoc 7 Clusters Count, Suite 201 Columbia SC 29210 PHONE# 1203
Pet Tal	FAX# (803) 731-2880 EMAIL in land abell south net
Magnana Brookens	PHONE# 7779346 FAX# EMAIL [(SC
V	PHONE# 171. 3596 FAX# EMAIL
·	PHONE#
	FAX# EMAIL

Make sure to include your company name (on this form) as registered with LLR.