

<b>BID ADDENDUM</b>
---------------------

<b>State Project No:</b> H27-6094	<b>PROJECT NAME:</b> Williams Brice Nursing Building and Auditorium Roof Replacement	<b>ADDENDUM NO.:</b> One  <b>ADDENDUM ISSUE DATE:</b> June 1, 2015
--------------------------------------	---	---

**TO ALL BIDDERS:** This addendum is issued for the purposes of modifying or interpreting the project manual, including any specifications or drawings, through addition, deletion, clarification or correction as outlined herein. The information provided in this addendum supersedes any information previously provided in the referenced documents and sections of the project manual or in any separate specifications or drawings incorporated into the project manual. This addendum and the information contained herein shall be used in the preparation of any bid submitted by the Bidder and shall become an integral part of the contract documents for any contract awarded for the project specified.

**CHANGES TO PRIOR ADDENDA:** NA

**CHANGES TO BIDDING REQUIREMENTS:** NA

**CHANGES TO CONDITIONS OF THE CONTRACT:** NA

**CHANGES TO SPECIFICATIONS:**

Section 00 31 23: **ADD** "Environmental Analysis Dated 4/13/2015."

SECTION 07 22 16, B, 2: **DELETE** "Shall be galvanized coated steel tube with high-tensile double steel wire locking staple and 2.7 inch diameter coated steel, ribbed plate; approved by the base sheet manufacturer for the base sheet specified; fastener length shall be as required to and penetrate the deck a minimum of 1inch" and **REPLACE WITH** "As required by membrane manufacturer to meet the wind uplift requirements specified in Section 07 54 00 and approved by the base sheet manufacturer for the base sheet specified."

**CHANGES TO DRAWINGS:** "DETAIL 13 on Sheet R-203."

**CLARIFICATIONS:**

**Q1:** Will the Contractor be responsible for removal and disposal of the existing rooftop unit indicated at the location of Detail 13 on Sheet R-101?

**A1:** Yes.

**ATTACHMENTS:**

Pre Bid Sign-in-Sheet

Pre Bid Meeting REI Engineers Minutes

**ALL OTHER REQUIREMENTS AND PROVISIONS OF THE BIDDING DOCUMENTS REMAIN UNCHANGED. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON THE BID FORM. FAILURE TO DO SO MAY BE CAUSE FOR REJECTION OF THE BID.**

**END OF ADDENDUM**



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Bulk Building Material Chain of Custody

**EMSL Order Number (Lab Use Only):**

1830

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

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

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

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

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PLM - Bulk (reporting limit)	TEM - Bulk
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NIOSH 9002 (<1%) <input type="checkbox"/> NY ELAP Method 198.1 (friable in NY) <input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY) <input type="checkbox"/> OSHA ID-191 Modified <input type="checkbox"/> Standard Addition Method	<input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1 <input type="checkbox"/> NY ELAP Method 198.4 (TEM) <input type="checkbox"/> Chatfield Protocol (semi-quantitative) <input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2 <input type="checkbox"/> TEM Qualitative via Filtration Prep Technique <input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique <p style="text-align: center;"><b>Other</b></p> <input type="checkbox"/>

**Check For Positive Stop - Clearly Identify Homogenous Group**      **Date Sampled:**

**Samplers Name:** \_\_\_\_\_ **Samplers Signature:** \_\_\_\_\_

Sample #	HA #	Sample Location	Material Description

**Client Sample # (s):** - **Total # of Samples:** 3

**Relinquished (Client):** \_\_\_\_\_ **Date:** \_\_\_\_\_ **Time:** \_\_\_\_\_

**Received (Lab):** **Date:** 4-10-15 **Time:** 11:30

**Comments/Special Instructions:** FX 7950 2618 3720

1830



Building # 056 WILLIAMS BRICE NURSING

Sample Analysis Type of Analysis: Lead / Asbestos

Date: 4/9/15

Turn Around Time 24 HRS

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	TEXTURED CEILING	STORAGE ROOM NUMBER 1 CEILING	F	G	<10 SQ FT	LOW
A	2	TEXTURED CEILING	STORAGE ROOM NUMBER 1 CEILING	F	G	<10 SQ FT	LOW
A	3	TEXTURED CEILING	STORAGE ROOM NUMBER 1 CEILING	F	G	<10 SQ FT	LOW

License # GR-00052 FM# FM00484663 Signature Patrick Huffman Requestor PATRICK HUFFMAN

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

Description NURSING- SAMPLE TEXTURETED CEILING- STORAGE CLOSED NEAR AUD

Site	COLUMBIA	Assigned To	JPROVENCE
Building	056 WILLIAMS-BRICE BUILDING	Crew	HAZMAT
Floor	Room:	Start Date	09-APR-15
Equipment		Due date	29-APR-15
		Request Date	09-APR-15
		Priority	3
		by	BLMCGEE

Request #	SR00426600	Description	NURSING- SAMPLE TEXTURETED CEILING- STORAGE CLOSED NEAR AUD
Parent WO #	FM00484662		

CP Number

State/Internal Project Number

Requestor	HUFFMAN,PATRICK	Project Manager	
Telephone	917-6513	Telephone	
Alternate		Estimated Cost	\$ 0.00
Telephone		Billing	MISSION WORK
Non-Available Time		50010-A000-52043	(MAINTENANCE SERVICES)

Task List

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

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

Note Date	Title
13-APR-15	HAZMAT SURVEY RESULTS
SURVEY DATES: 4/9/15	
INSPECTOR #: PATRICK HUFFMAN ( GR-00052 )	
STATUS: THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS AND RESULTS FOLLOW:	
TEXTURED CEILING MATERIAL - NEGATIVE FOR ASBESTOS	
INSPECTORS NOTES:	
- CEILING IS CONCRETE - NOT SUSPECT FOR ASBESTOS	
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.	
THE MATERIAL QUANTITY PROVIDED ON THE FIELD SHEET IS ONLY AN ESTIMATE FOR SAMPLING PURPOSES. THE QUANTITY SHOULD BE FIELD VERIFIED FOR ALL OTHER PURPOSES INCLUDING ABATEMENT.	

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

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

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

AS OF 02/04/2004 THE FOLLOWING AREAS WITHIN THE BUILDING HAVE BEEN IDENTIFIED BY SURVEY TO CONTAIN ASBESTOS:

BLDG 056 NURSING  
THROUGHOUT BLDG --> CONCRETE CEILING SPRAY [6520 SQ. FT.]  
BASEMENT MECH. ROOM --> HOT WATER TANK [125 SQ. FT.]  
MECH. ROOM BASEMENT --> HOT WATER PIPE [1 LIN FT.]

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

**09-AUG-10 2009-10-19 BLDG COMPONENT ASBESTOS/LEAD EXPOSURE UPDATE**

BELOW ARE THE ASBESTOS AND LEAD TESTING RESULTS FOR WILLIAMS BRICE NURSING BUILDING:

SHEET ROCK: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

JOINT COMPOUND: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

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

CEILING TILE NOT SUSPECT FOR ASBESTOS CONTAINING MATERIALS

THE BUILDING HAS VERY LITTLE FLOORING IN VARIOUS PLACES THAT CONTAIN ASBESTOS AS WELL AS THE BLACK MASTIC HOLDING IT TO THE CONCRETE FLOOR

THERE MAY BE ROUGH TEXTURE WALL MATERIAL AND CEILING MATERIAL IN ALL STAIRWAYS AND

ELEVATOR WALLS THAT ARE POSITIVE FOR ASBESTOS CONTAINING MATERIALS. NO DRILLING

INTO THIS MATERIAL

THERE IS BLACK MASTICON HVAC DUCTS AND FIBERGLASS LINES ABOVE EACH CEILING IN THE

BUILDING

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

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

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

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

EMSL Order:	021501830
CustomerID:	UNSC62
CustomerPO:	
ProjectID:	

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


Phone: (803) 777-7000  
 Fax: (803) 777-3990  
 Received: 04/10/15 11:30 AM  
 Analysis Date: 4/13/2015  
 Collected:

Project: **56 Williams Brice Nursing**

### 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 <i>021501830-0001</i>	Textured Ceiling	Gray Fibrous Homogeneous	55% Min. Wool <1% Cellulose	45% Non-fibrous (other)	<b>None Detected</b>
2 <i>021501830-0002</i>	Textured Ceiling	Gray Fibrous Homogeneous	55% Min. Wool <1% Cellulose	45% Non-fibrous (other)	<b>None Detected</b>
3 <i>021501830-0003</i>	Textured Ceiling	White Fibrous Heterogeneous	55% Min. Wool 1% Cellulose	44% Non-fibrous (other)	<b>None Detected</b>

Analyst(s)  
 \_\_\_\_\_  
 Kristie Elliott (2)  
 Scott Combs (1)

  
 Stephen Bennett, Laboratory Manager  
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%  
 Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321

Initial report from 04/13/2015 09:18:43

Pre-Bid Meeting Minutes from May 28, 2015  
Williams Brice Building & Auditorium Roof Replacement  
University of South Carolina  
State Project No. H27-6094

REI Engineers Project No. 14CHS-078

It was stated that this Pre-Bid Meeting is non mandatory.

Sign-in sheet is included with these minutes.

Bid Documents and any addendum may be obtained from <http://purchasing.sc.edu> (See Facilities Construction Solicitations & Awards).

Lightning Protection Subcontractor shall be listed on the Bid Form.

A path to/from the existing dumpsters and driveway indicated in green in the Aerial Photograph shall be maintained at all times during the course of Work. Dumpsters are emptied daily. Repairs to driveways and curbs to pre-existing conditions will be the responsibility of the Contractor. Contractor staging and storage area is indicated in red in the Aerial Photograph.

Questions – All questions must be submitted in writing to [kparker@reiengineers.com](mailto:kparker@reiengineers.com), attention Keith Parker. No oral interpretation or clarification will be made. Last day for interpretation or clarification is June 3, 2015 at 5:00pm. The last addendum will be issued no later than 120 hours prior to the Bid Closing.

Keith Parker with REI Engineers discussed the following.

Section 00 62 33: Must be executed by a representative from the membrane manufacturer and returned by Apparent Low Bidder within 24 hours of Bid Opening. Independent sales representatives will not suffice for this requirement.

Section 01 11 00: Summary of Work

Sectors A and B (Approximately 10,296 square feet): Remove and dispose of the existing roof system including flashings and sheet metal down to the existing lightweight concrete; repair or replace damaged lightweight concrete; mechanically attach new base sheet underlayment to existing structural concrete deck; adhere new base layer insulation in foam adhesive; adhere second layer insulation in foam adhesive; fully adhere felt-back thermoplastic single ply membrane and provide new sheet metal flashings, roof access hatch, and accessories to provide a complete, watertight, 20-year warrantable roof assembly.

Sectors C and D (Approximately 7,048 square feet): Remove and dispose of the existing roof system including flashings and sheet metal down to the existing lightweight concrete; repair or replace damaged lightweight concrete; install new primary and overflow scuppers; mechanically attach new base sheet underlayment to structural steel deck; adhere new base layer insulation in foam adhesive; adhere second layer insulation in foam adhesive; fully adhere felt-back thermoplastic single ply membrane and provide new sheet metal flashings, and accessories to provide a complete, watertight, 20-year warrantable roof assembly.

Remove the existing lightning protection/grounding system prior to commencement of roof replacement work at Sectors A and B. Upon completion of flashing and sheet metal installation, reinstall existing lightning protection/grounding system and replace missing or damaged components

Asbestos Abatement: Removal of ACRM identified in Section 00 31 23.

Section 01 14 00: Work Restrictions – Owner will occupy premises during duration of Project. Sequencing and Restrictions contained this Section.

Section 01 21 00: Allowances – Include Contingency and Quantity Allowances in Base Bid.

Section 01 22 00: Unit Prices – Provide proposed Quote on Bid Form.

Section 01 31 00: Project Management and Coordination

Section 01 33 00: Submittal Procedures – Use of AIA G702 and G703 for Applications for Payment.

Section 01 40 00: Quality Requirements

Section 01 42 00: References

Section 01 50 00: Temporary Facilities and Controls – 3.02 states Contractor shall provide own sanitary toilets and electrical power.

Pre-Bid Meeting Minutes from May 28, 2015  
Williams Brice Building & Auditorium Roof Replacement  
University of South Carolina  
State Project No. H27-6094

Section 01 73 29:	Cutting and Patching
Section 01 74 00:	Cleaning and Waste Management
Section 01 77 00:	Closeout Procedures
Section 01 78 23:	Operations and Maintenance Data
Section 01 78 36:	Warranties and Bonds
Section 01 78 39:	Project Record Documents
Section 06 10 00:	Rough Carpentry – Allowance for Wood Blocking is in addition to nailers shown on Detail drawings.
Section 07 01 50:	Preparation for Reroofing – Roof deck repair, steel plate installation at Sector C roof drains where indicated, Fastener Withdrawal Tests and scupper installation.
Section 07 22 16:	Roof Insulation – Refer to 1.09 for Overview of new Insulation system.
Section 07 42 13:	Metal Wall Panels – Exposed fastener metal wall panel.
Section 07 54 00:	Thermoplastic Single Ply Roofing – Refer to Part 2 for approved manufacturers. Refer to 1.07 for wind uplift requirements.
Section 07 62 00:	Sheet Metal Flashing and Trim – Color shall match existing metal façade panels at Sectors C & D. Manufacturer’s standard color to be selected for Sectors A&B.
Section 07 72 00:	Roof Accessories – Includes new roof hatch, mechanical equipment accessories, reinstallation of existing lightning protection components, roof drain and skylights.
Section 09 91 13:	Exterior Paint – Includes miscellaneous rooftop painting.
Drawings:	R-101 Review for existing tapered lightweight concrete layout and new tapered layout at Sector C.
	R-102 Review for minimum installation requirements. Refer to Section 07 54 00 for specified wind uplift pressures.
	R-103 Review for Staging and Access.
	R-203 Support curb at Sector A indicated by Detail 13/R-203 is not required. Removal of the existing rooftop unit at this location is part of Project scope of Work.

**REI Engineers**  
2090 Executive Hall Rd., Suite 165  
Charleston, SC 29407  
(843) 225-6272 (843) 225-6273 Fax



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

Project Name: William Brice Building and Auditorium Roof Replacement  
 Project Number: H27-6094  
 Pre Bid Date & Time: May 28, 2015 at 10:00 am

Name	Company Name	Address	Phone #	Email
Justin White	RSC / F. Brice	Chapin, SC 29036 119 Magalick Key Dr.	(703) 458-6934	justin@reafersupplyinc.com
Jim Brunson	Bessco / Sarnet	632 Amanda Dr Matthews NC 28105	704 609 5987	jimbunson@cardinc-tr.com
Anthony Wilkerson	Peach State Roofing	260 Chad Westley St Rock Hill SC 29730	803-403-3469	awilkerson@peachstateinc.com
Steve Martin Jr	Watts Assoc. Roofing	7416 Fairfield Rd Lain SC 29203	803-786-4610	stevjr@wattsrooing.com
Dana Neville	Aqua Seal Roofing	P.O. Box 2238 W. Columbia SC 29171	803-936-0420	dana@aquaseal.com
Will Timms	BAKER Roofing Co.	4700 Nations Crossing Rd. Charlotte, NC 28217	704-574-9517	wtimms@bakerroofing.com
Keith Parker	REI Engineers	2090 Executive Hall Rd Charleston, SC 29414	(843) 225-6272	kparker@reineers.com
Brian Wood	USC	743 Greene St.	803-422-5441	
John A. Gann	CCR	4355 Adrian Hwy Conway SC. 29526	843-468-0102	jgann@scconstr.net

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

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

Project Name: William Brice Building and Auditorium Roof Replacement  
 Project Number: H27-6094  
 Pre Bid Date & Time: May 28, 2015 at 10:00 am

Name	Company Name	Address	Phone #	Email
Shaquana Brooks	USC	743 Greene St Columbia, SC	919.3596	jbrooks@fmc.sc.edu
Catherine Bennett	USC	743 Greene St. Columbia, SC	777-5817	alb@mailbox.sc.edu
Ty Russell	USC		7-1208	rtorres@mailbox.sc.edu
Eric Menard	USC		509-3376	meland@mailbox.sc.edu
DAVID SWEDD	Tetra America	13815 E. Independence Indian Trail, NC	704-882-1202	dsweed@tetraamerica.com
Mike Quigley	AMS Roofing	2905 Westmeadow Came, NC	704-405 1621	mquigley@ams-roofing.com
Sam Anderson	USC			
Solney Holliday	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: William Brice Building and Auditorium Roof Replacement  
 Project Number: H27-6094  
 Pre Bid Date & Time: May 28, 2015 at 10:00 am

Name	Company Name	Address	Phone #	Email
CATER WILKINS	Southway CRANE # 8199129	PO. BOX 2109 Lexington SC.	Office 803-957-3222 Cell 309-8219	CATER@SOUTHWAYCRANE.COM
Kenneth Fennell	C.G. Bourne & Co., Inc.	PO Box 1014 Greenwood, SC 29648	804-223-0188 804-377-0743	Kenneth@cdbourne.com
DALE BEAMAN	DSC		803-771-1888	BEAMAN@DSC.SC.GOV

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



