

ADDENDUM TO
SPECIFICATIONS ENTITLED
"McKissick Museum
Roof Replacement Project"
DATED June 2012

ADDENDUM NO. 1

November 8, 2012

1. The Specifications and Drawings contained in the project manual "McKissick Museum Roof Replacement Project" and dated June 2012 are amended as follows:

The following firms were represented at the pre-bid conferences held on October 31, 2012 at 10:00 AM at the Facilities Services Office and on site at the McKissick Museum, 816 Bull Street, Columbia, SC 29208 (see attached sign in sheet):

Mr. J.D. Robertson NTEC Systems	Ph: 704/491-4976 Fax: 866/405-4920	Mr. John Gann Coastal Commercial Roofing	Ph: 843/369-4101 Fax: 843/369-4103
Mr. Don Rueter 21 st Century Waterproofing	Ph: 803/451-2627 Fax: 803/256-2627	Mr. Paul Cromer Fort Roofing & Sheet Metal, Inc.	Ph: 803/773-9391 Fax: 803/773-7711
Mr. C.G. Hardy Strickland Waterproofing Co.	Ph: 704/400-1620 Fax: 704/347-1347	Mr. Cee Hawkins CMS Roofing	Ph: 803/732-5558 Fax: 803/732-8975
Mr. Robert Amos Salem Services Group	Ph: 704/443-1814 Fax: 704/321-1406	Mr. Tripp Kimbrell Gardner Roofing	Ph: 843/261-7663 Fax: 843/261-0489
Chris Orton Exterior Diagnostics Services	Ph: 919/924-8997 Fax: 919/363-8482	Mr. B.D. Yarborough Southern Roofing Services, Inc.	Ph: 803/773-8221 Fax: 803/775-0550
Mr. Todd Reitz Hydro-Stop	Ph: 803/608-7992 Fax: 803/936-0970	Mr. Michael Olmstead Midstate Roofing	Ph: 803/356-1919 Fax: 803/356-1819
Mr. Richard Barney Hydro-Stop	Ph: 803/351-6078 Fax:	Mr. Frank Wingate Mays Construction	Ph: 803/276-6990 Fax:
Mr. Brian Wood USC Roofing Department	Ph: 803/422-5441 Fax:	Mr. Swain Miles Roofco, Inc.	Ph: 803/775-8560 Fax: 803/775-0974
Mr. Tommy Fallaw USC Landscaping Manager	Ph: 803/777-8733 Fax: 803/576-6104	Mr. Wyman Windham Scott Royster Watts & Associates Roofing, Inc.	Ph: 803/786-4610 Fax: 803/786-0952
Mr. Chris Geury USC Facility Services	Ph: 803/331-6761 Fax:	Mr. Matt Crawford Associated Scaffolding Co.	Ph: 803/714-0003 Fax: 803/714-9008
Mr. Darryl Washington USC Facility Services	Ph: 803/917-0291 Fax:	Mr. Bubba Kearse ABC Supply	Ph: 803/771-4402 Fax:
Mr. Dale Branham Ms. Juaquana Brookins University of South Carolina	Ph: 803/777-1288 Fax:	Mr. Richard Parrish Mr. Blount Shepard Shepard & Associates	Ph: 803/407-8284 Fax: 803/407-8206

2. PRE-BID CONFERENCE DISCUSSION:

- Mr. Dale Branham introduced himself, attending USC staff and Shepard & Associates and discussed project site location.
- Ms. Juaquana Brookins discussed the specification front end documents and general requirements for the subject project.
- Mr. Blount Shepard discussed specific project lay down areas and the requirement for close coordination with Owner's separate window contractor.
- Mr. Richard Parrish discussed existing roof conditions, removals and new roof installation.
- Mr. Darryl Washington discussed existing Asbestos Containing Material (ACM) removals.
- Mr. Tommy Fallaw discussed precautions around landscaping conditions at the project site.
- It is anticipated that the bulk of the work under this contract will take place during the University's Winter Break which is scheduled for December 17th, 2012 through January 14th, 2013.
- The Contractor will provide equipment for access to the roof. The Contractor will not have access to the interior of the building during the course of the project.
- The University of South Carolina is a tobacco free campus. Absolutely no tobacco products are to be used while on campus.

3. CLARIFICATIONS TO THE SPECIFICATION

- The following Waterproofing Contractors have been added to the list of approved sub-contractors for the Limestone Dome joint restoration work:

Exterior Diagnostic Services
Apex, NC 27502
Phone: 919/303-0448
Fax: 919/363-8482

Strickland Waterproofing Company, Inc.
Charlotte, NC 28216
Phone: 704/347-1345
Fax: 704/347-1347

- The existing wood framing and deck on RAs 2, 4, 7 & 8 does not have to be removed and discarded because of adequate existing base flashing height. The contractor will remove the existing roof assembly and base flashings (ACM) down to the existing wood deck, and install by mechanically attaching the specified new flat and tapered insulation, and liquid applied roof membrane.

4. CHANGES TO SPECIFICATION

- **BID FORM**

To clarify the sealant type to be used at the Limestone Dome, delete the Bid Form in its entirety and replaced with the attached ADD1-BID FORM.

- SECTION 01010 SUMMARY OF WORK

To clarify the sealant type to be used at the Limestone Dome, delete paragraph 1.2.2 and replace with the following new paragraph:

- 1.2.2. Limestone Dome: Masonry repair sub-contractor shall cut out and remove existing sealant (ACM) and grout from all dome and dome two course foundation limestone joints. Clean and prepare joints to receive new sealant or tuck-pointing. Install new bond breaker tape and silicone sealant at all horizontal joints. Install new bond breaker tape and silicone sealant at all vertical joints except in the second course of the foundation ring. At this location, tuck point the joints with new mortar to match existing.

To reduce the unit price quantity of structural concrete, delete paragraph 1.4.1 and replace with the following new paragraph:

- 1.4.1 Unit Price 1 - Removal and replacement of any wet, damaged, or deteriorated structural concrete. 10 CF

To include the existing sealant as Asbestos Containing Materials, delete paragraph 1.12.1 and replace with the following new paragraph:

- 1.12.1 Products containing asbestos fibers are present in the mastic at base flashing side laps and all sealant at the limestone dome. Base flashings, mastic and sealant are to be removed and disposed of as ACM.

- SECTION 01300 MEASUREMENT AND PAYMENT

To reduce the unit price quantity of structural concrete, delete sub-paragraph 1.3.2.2 and replace with the following new sub-paragraph:

- 1.3.2.2 Include 10 cubic feet in the Base Bid costs for removal and replacement of any wet, damaged, or deteriorated structural concrete. Quote a separate unit price (per cubic foot) for such work.

5. CLARIFICATIONS TO THE DRAWINGS

- Drawing Sheet R1:

The contractor will be required to install a 4'x4' traffic coat target at the base of the new wall mounted ladders on the Not In Contract (NIC) Roof Areas. These targets are not shown on the roof plan.

6. CHANGES TO THE DRAWINGS

There are no drawing changes.

Nothing herein is interpreted or construed as changing any provisions of the specifications except as specifically stated herein.

END OF ADDENDUM NO.1

Attachment(s): ADD1-BID FORM (5 pages)
Pre-Bid Sign-In Sheet (6 pages)
Limestone Dome Sealant Asbestos Report (5 pages)

**BID FORM
SE-330**

2011 Edition

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: H27-6094-G McKissick Museum Roof Replacement Project

(Number)

(Name)

OFFER

§ 1. In response to the Invitation for Construction Bids 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 Section 11-32-3030(1) of the SC Code of Laws, as amended, 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:

ADDENDUM No: _____

§ 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):*

Roof Areas 1, 2, 3, 4, 5, 6, 7 & 8: Work covered by this Contract includes furnishing all labor, materials, and equipment necessary to perform the work in accordance with the Contract Documents.

Removals: Prior to the application of any new materials, remove and dispose of existing built-up roofing assembly down to the surface of the wood substrate. Similarly remove and dispose of bituminous flashings (mastic at base flashing laps ACM) and cants, existing wood decking, framing, and abandoned metal deck vents down to the surface of the structural concrete deck. Remove any anchors or obstructions that may remain in the structural concrete deck. Remove existing main roof drain assemblies and cut off vertical drain leader extending above structural concrete roof deck. Remove existing copper counter flashing and receiver trim and discard. Remove any obstruction that will prevent the proper installation of the new liquid applied roofing assembly. Remove, store and reinstall existing hot wire on RA 1 west parapet wall.

Preparations: After removals are complete, inspect the substrate structural concrete decking, making repairs as necessary.

Installations: Upon completion of all removals and preparations, install new flat and tapered polyisocyanurate insulation adhered to the concrete deck, retrofit roof drains at all main drain locations, liquid applied roofing membrane, liquid applied and metal roof flashings, metal copings, overflow scupper liner, liquid applied trafficking coat in locations designated on R1, and associated miscellaneous work as specified.

**BID FORM
SE-330**

2011 Edition

Limestone Dome: Masonry repair sub-contractor shall cut out and remove existing sealant (ACM) and grout from all dome and dome two course foundation limestone joints. Clean and prepare joints to receive new sealant or tuck-pointing. Install new bond breaker tape and silicone sealant at all horizontal joints. Install new bond breaker tape and silicone sealant at all vertical joints except in the second course of the foundation ring. At this location, tuck point the joints with new mortar to match existing.

_____, which sum is hereafter called the Base Bid.
(enter BASE BID in figures only)

§ 6.2 ADD ALTERNATE No. 1 WORK (modifies the Base Bid work as follows and generally described as follows):

At Roof Areas 5 & 6: If the roofing contractor discovers during the removal of the roof assembly, wood deck and framing that the existing expansion joint in the roof assembly is a true building expansion joint with an interruption in the structural concrete roof deck, the roof contractor is to provide all labor, materials, and equipment necessary to install a new wood framed expansion joint, liquid applied flashings, metal expansion joint flange and metal expansion joint cap, and associated miscellaneous work as specified.

_____, which sum is hereafter called Add Alternate No. 1.

§ 6.3 UNIT PRICE WORK:

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

<u>No.</u>	<u>ITEM</u>	<u>UNIT</u>	<u>COST to ADD or DEDUCT</u> <u>(one price)</u>
1.	Structural Concrete Replacement	Cubic Foot	_____
2.	Install Zinc Coping Cap	Linear Foot	_____

§ 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-3)

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

SUBCONTRACTOR SPECIALTY By License Classification and/or Subclassification (Completed by Owner)	SUBCONTRACTOR(S) OR PRIME CONTRACTOR'S NAME (Must be completed by Bidder) BASE BID	SUBCONTRACTOR'S SC LICENSE NUMBER
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Masonry Repair Sub-Contractor

INSTRUCTIONS FOR SUBCONTRACTOR LISTING

1. Section 7 of the Bid Form sets forth a list of subcontractor specialties for which bidder is required to identify by name the subcontractor(s) Bidder will use to perform the work of each listed specialty. Bidder must identify only the subcontractor(s) who will perform the work and no others.
 2. 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. 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) are not subcontractors and Bidder should not insert their names in the spaces provided on the bid form. Likewise, Bidder should not insert the names of sub-subcontractors in the spaces provided on the bid form but only the names of those entities with which bidder will contract directly.
 3. Bidder must only insert the names of subcontractors who are qualified to perform the work of the listed specialties as specified in the Bidding Documents and South Carolina Licensing Laws.
 4. If under the terms of the Bidding Documents, Bidder is qualified to perform the work of a specialty listed 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. 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**".
 6. Bidder may not list subcontractors in the alternative nor in a form that may be reasonably construed at the time of bid opening as a listing in the alternative. A listing that requires subsequent explanation to determine whether or not it is a listing in the alternative 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 name of each entity listed for that specialty. Owner 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 Owner may reasonably interpret as a listing in the alternative.
 7. If Bidder is awarded the contract, bidder must, except with the approval of the owner for good cause shown, use the listed entities to perform the work for which they are listed.
 8. 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.
 9. Bidder's failure to insert a name for each listed specialty subcontractor will render the Bid non-responsive.
- § 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 Bids, 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 Ann § 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 and Bidder shall substantially complete the Work within 60 calendar days from the Date of Commencement, subject to adjustments as provided in the Contract Documents. Contractor shall normally work five days per week, Monday - Friday, inclusive.

b. **LIQUIDATED DAMAGES:** Bidder further agrees that from the compensation to be paid, the Owner shall retain as Liquidated Damages the sum of \$ 200.00 for each calendar day the actual construction time required to achieve Substantial Completion exceeds the specified or adjusted time for Substantial Completion as provided in the Contract Documents. This sum 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 law 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)

**BID FORM
SE-330**

2011 Edition

BIDDER'S TAXPAYER IDENTIFICATION

FEDERAL EMPLOYER'S IDENTIFICATION NUMBER: _____

OR

SOCIAL SECURITY NUMBER: _____

CONTRACTOR'S CLASSIFICATIONS AND SUBCLASSIFICATIONS WITH LIMITATIONS

Classification(s) & Limits: _____

Subclassification(s) & Limits: _____

SC Contractor's License Number(s): _____

BY SIGNING THIS BID, THE PERSON SIGNING REAFFIRMS ALL REPRESENTATIONS AND CERTIFICATIONS MADE BY BOTH THE PERSON SIGNING AND THE BIDDER, INCLUDING WITHOUT LIMITATION, THOSE APPEARING IN ARTICLE 2 OF THE INSTRUCTIONS TO BIDDER. THE INVITATION FOR BIDS, AS DEFINED IN THE INSTRUCTIONS TO BIDDERS, IS EXPRESSLY INCORPORATE BY REFERENCE.

SIGNATURE

(Legal Name of Person, Firm or Corporation Submitting Bid)

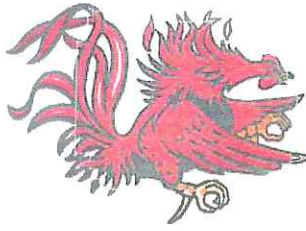
(Mailing Address for the above)

BY: _____
(Signature)

DATE: _____

TITLE: _____

TELEPHONE: _____



University of South Carolina
Columbia, South Carolina

Pre Bid for McKissick Museum Roof Replacement Project
Project Number: H27-6094-G
October 31, 2012 @ 10am

ATTENDEE'S NAME

Scott Royster

Wyman Windham

Cee Hawkins

CG Hardy

COMPANY NAME & MAILING ADDRESS

Watts & Associates Roofing
PO Box 21273 / 7416 Fairfield Rd
Columbia, SC 29221
PHONE# 803-786-4610
FAX# 803-786-0952

EMAIL ~~scott~~ sroyster@wattsroofing.com
WATTS + Assoc. Roofing, Inc.
P.O. Box 21273 / 7416 Fairfield Rd.
Columbia, S.C. 29221
PHONE# 803-786-4610
FAX# 803-786-0952
EMAIL SCOTT@wattsroofing.com

CMS Roofing
550 VISION COURT
IRMO SC 29063
PHONE# 803-782-5558
FAX# 803-782-8975

EMAIL Cee@CMSofSC.COM
STRICKLAND WATERPROOFING COMPANY
500 NORT 21st HUSKINS ROAD
CHARLOTTE, NC 28216
PHONE# 704-420-1620 704-347-1345
FAX# 704-347-1347
EMAIL Cghardy@stricklandwaterproofing.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 McKissick Museum Roof Replacement Project
Project Number: H27-6094-G
October 31, 2012 @ 10am

ATTENDEE'S NAME

Paul Cramer

COMPANY NAME & MAILING ADDRESS

Fert Roofing & Sheet Metal
14 W. Lakehurst Ave
Sumter, SC 29150

PHONE# 803-773-4341

FAX# 803-773-7711

EMAIL jpcramer3@sc.foxbc.com

Swain miles

Rudco Inc
1345 N. Pike Rd Sumter SC 29151

PHONE# 803-775-5560

FAX# 775-0979

EMAIL Rudco@sc.ill.com

BD@SouthernRoofing

Southern Roofing Services

803 N Wise Drive

Sumter SC 29153

PHONE# 803-773-8221

FAX# 803-775-0550

EMAIL BD@SouthernRoofing.com

Tripp Kimbrell

Gardner Roofing

3420 Buffalo Ave

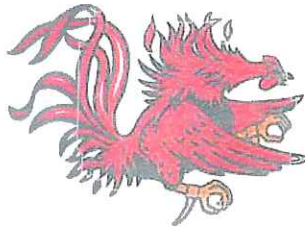
N. Char. 29418

PHONE# 843-261-7663

FAX# 843-261-0489

EMAIL tripp@gardnerroofing.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 McKissick Museum Roof Replacement Project
Project Number: H27-6094-G
October 31, 2012 @ 10am

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

J.D. Robertson

NTEC Systems
6815 Skilah Road East, Suite A-1
Alpharetta, GA 30005
PHONE# (704) 491-4976
FAX# (866) 405-4920

Matt Crawford

EMAIL JDR@NTECsystems.com
Associated Scaffolding Company
700-A Buckner Road
Columbia, SC 29203
PHONE# 803 714 0003
FAX# 803 714 9008

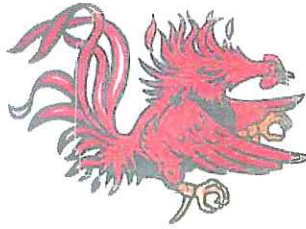
Don Rueter

EMAIL Matt.Crawford@Associated-scaffolding.com
21st Century Waterproofing
4059 Broad River Rd
Columbia, S.C. 29210
PHONE# (803) 451-2627
FAX# (803) 256-2627

Todd Reitz

EMAIL donrueter@sc.rr.com
Hydro-STOP
PHONE# 803-608-7792
FAX# 803-930-0970
EMAIL TONREITZ@Hydro-STOP.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 McKissick Museum Roof Replacement Project
Project Number: H27-6094-G
October 31, 2012 @ 10am

ATTENDEE'S NAME

Richard Barney

COMPANY NAME & MAILING ADDRESS

Hydro-Stop

PHONE# 803-351-6078

FAX#

EMAIL rsbarney34@aol.com

Michael O'Instead

Midstate Roofing

PHONE# 803 356 1919

FAX# 356 1817

EMAIL Go Fix It @ midstate Roofing - Com

FRANK WINGATE

MAYS CONTRACTING

PHONE# 803-276-6990

FAX#

EMAIL M CONTRACTING @ BELL SOUTH.NET

ROBERT JAMES

SALES SERVICES
724-A. MATTHEWS ROAD

MATTHEWS, N.C 27101

PHONE# 704-443-1804

FAX# 704-331-1406

EMAIL SALES@SALEMSERVICES9999.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 McKissick Museum Roof Replacement Project
Project Number: H27-6094-G
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ATTENDEE'S NAME

Chris ORTON

COMPANY NAME & MAILING ADDRESS

EXTERIOR DIAGNOSTIC SVS
811 CENTER ST
APEX NC 27502
PHONE# 919-924-8997
FAX# 919-363-8482
EMAIL chris@edswp.com
USC

Juaquana Brookins

PHONE# 771-3596
FAX#
EMAIL

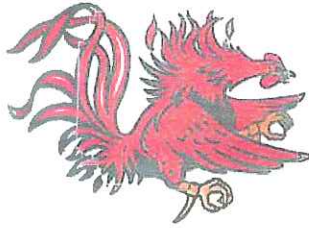
Darryl Washington Jr

USC
760 Pendleton St
Columbia SC 29208
PHONE# 917-6291
FAX#

Chris Geary

EMAIL washington@mc.sc.edu
USC
700 Pendleton St
Columbia SC 29208
PHONE# 331-6761
FAX#
EMAIL cgeary@fmc.sc.edu

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



University of South Carolina
Columbia, South Carolina

Pre Bid for McKissick Museum Roof Replacement Project
Project Number: H27-6094-G
October 31, 2012 @ 10am

ATTENDEE'S NAME

Brian Wood

COMPANY NAME & MAILING ADDRESS

USC Roofing Dept

PHONE# 422-5441

FAX#

EMAIL

John A. G... ..

CCR

Conway SC

PHONE# 843-364-4101

FAX# 843-364-4103

EMAIL JGANN@SCGOAST.NET

ABC Supply

Bubba KEARSE

PHONE# 803-771-4402

FAX#

EMAIL RICHARD.KEARSE@ABCsupply.com

RICHARD PARRISH

BLUNT SHEPARD

PHONE# 803-407-8284

FAX# 407-8206

EMAIL shepard-insp1@scrr.com

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

FM00411218

USC Work Order

Description MCKISSICK - CAULK/SEALANT ACM SURVEY

Site	COLUMBIA	Assigned To	JPROVENCE
Building	015 MCKISSICK	Crew	HAZMAT
Floor	ROOF	Start Date	31-OCT-12
Equipment	Room:	Due date	05-NOV-12
		Request Date	31-OCT-12
		Priority	3
		by	BRANHAMD

Request #	FM00411218	Description	MCKISSICK - CAULK/SEALANT ACM SURVEY
Parent WO #			

CP Number	CP00336856	CRF DM MCKISSICK ROOF REPLACEMENT
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State/Internal Project Number	H27-6094
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Requestor	BRANHAM, DALE	Project Manager	BRANHAM, DALE
Telephone	7-1288	Telephone	777-1288
Alternate		Estimated Cost	\$ 0.00
Telephone		Billing	FIXED PRICE
Non-Available Time			53100-W791-57120 (DEFERRED MAINTENANCE)

Task List
CHECK CAULK/SEALANT AT DOME FOR PRESENCE OF ACM. ARRANGE A SITE VISIT WITH BRIAN WOOD.

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

Supervisor's Approval _____

Note Date	Title
07-NOV-12	HAZMAT SURVEY RESULTS
SURVEY DATE: NOVEMBER 2 2012	
INSPECTOR #: DARRYL WASHINGTON II BI-00568	
STATUS: THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS CONTAINING MATERIALS RESULTS FOLLOWS	
CAULK SEALANT- POSITIVE FOR ASBESTOS CONTAINING MATERIALS	
IF YOU ENCOUNTER ANY SUSPECT MATERIALS IN PLACE AND DEEM IT SUSPECT FOR ASBESTOS AND IT IS NOT LISTED ABOVE PLEASE STOP WORK AND CALL THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING OR ABATEMENT	
REFER TO THE SURVEY RESULTS DOCUMENT ATTACHED TO THE WO FOR DETAILED INFORMATION.	
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 12/15/2003 THE FOLLOWING AREAS WITHIN THE BUILDING HAVE BEEN IDENTIFIED BY SURVEY TO CONTAIN ASBESTOS:	
BLDG 015 MCKISSICK MUSEUM	

RADIATORS --> STEAM LINES [500 LIN. FT.]
PIPE CHASE --> HOT WATER AIR CELL [100 LIN. FT.]
STEAM DISTRIBUTION --> ELBOWS [100 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

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

BELOW ARE THE ASBESTOS AND LEAD TESTING RESULTS FOR THE MCKISSICK MUSEUM:

SHEET ROCK: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

JOINT COMPOUND: NEGATIVE FOR ASBESTOS CONTAINING MATERIALS

WHITE WALL PAINT: NEGATIVE FOR LEAD BASE PAINT

FLOOR TILES & BLACK MASTIC: POSITIVE FOR ASBESTOS CONTAINING MATERIALS

1X1 CEILING TILES: MAY CONTAIN ASBESTOS

DO NOT DRILL, CONTACT THE ASBESTOS PROGRAM MANAGER

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

greensborolab@emsl.com

EMSL Order: 021206875
CustomerID: UNSC62
CustomerPO:
ProjectID:

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

Phone: (803) 777-7000
Fax: (803) 777-7334
Received: 11/02/12 10:00 AM
Analysis Date: 11/2/2012
Collected:

Project: Mckissick Dome

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 021206875-0001	Caulking Joints	Gray Non-Fibrous Heterogeneous		97% Non-fibrous (other)	3% Chrysotile
2 021206875-0002	Caulking Joints				Stop Positive (Not Analyzed)
3 021206875-0003	Caulking Joints				Stop Positive (Not Analyzed)
4 021206875-0004	Caulking Joints				Stop Positive (Not Analyzed)
5 021206875-0005	Caulking Joints				Stop Positive (Not Analyzed)
6 021206875-0006	Caulking Joints				Stop Positive (Not Analyzed)
7 021206875-0007	Caulking Joints				Stop Positive (Not Analyzed)

Analyst(s)
Kristie Elliott (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 11/02/2012 13:55:16

Reset Form

Print Form

SPB
Positive
D

6875



Building # MCKISSICK DOME

Sample Analysis

Date: 11-01-2012

Type of Analysis: Lead / Asbestos

Turn Around Time 24 HRS

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	CAULKING JOINTS	DOMES OF MCKISSICK	NF	G	1200 LIN FT	LOW
A	2	CAULKING JOINTS	DOMES OF MCKISSICK	NF	G	1200 LIN FT	LOW
A	3	CAULKING JOINTS	DOMES OF MCKISSICK	NF	G	1200 LIN FT	LOW
A	4	CAULKING JOINTS	DOMES OF MCKISSICK	NF	G	1200 LIN FT	LOW
A	5	CAULKING JOINTS	DOMES OF MCKISSICK	NF	G	1200 LIN FT	LOW
A	6	CAULKING JOINTS	DOMES OF MCKISSICK	NF	G	1200 LIN FT	LOW
A	7	CAULKING JOINTS	DOMES OF MCKISSICK	NF	G	1200 LIN FT	LOW

(7m 13 Net)

License # ASBI-00568

FM# FM00411342

Signature *[Signature]* Requestor DALE B

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

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

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

Fax # 803-777-3990



Asbestos Lab Services Chain of Custody
EMSL Order Number (Lab Use Only):

Kernersville, NC
705 Galin Street
Kernersville, NC 27284
PHONE (336) 992-1025
FAX (336) 992-4175

Company: University Of South Carolina
 Street: 743 Greene St
 City/State/Zip: Columbia, SC 29208
 Report To (Name): Darryl Washington II
 Telephone: 8039170291
 Project Name/Number: Mckissick Dome
 EMSL-Bill to: Same Different
 If Bill to is Different note instructions in Comments
 Third Party Billing requires written authorization from third party
 Fax:
 Email Address: washindh@fmc.sc.edu
 Please Provide Results: Email Purchase Order: State Samples Taken: SC

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.

PCM - Air Check if samples are from NY
 NIOSH 7400
 w/ OSHA 8hr. TWA
PLM - Bulk (reporting limit)
 PLM EPA 600/R-93/116 (<1%)
 PLM EPA NOB (<1%)
 Point Count
 400 (<0.25%) 1000 (<0.1%)
 Point Count w/Gravimetric
 400 (<0.25%) 1000 (<0.1%)
 NYS 198.1 (friable in NY)
 NYS 198.6 NOB (non-friable-NY)
 NIOSH 9002 (<1%)
TEM - Air 4-4.5hr TAT (AHERA only)
 AHERA 40 CFR, Part 763
 NIOSH 7402
 EPA Level II
 ISO 10312
TEM - Bulk
 TEM EPA NOB
 NYS NOB 198.4 (non-friable-NY)
 Chatfield SOP
 TEM Mass Analysis-EPA 600 sec. 2.5
TEM - Water: EPA 100.2
 Fibers >10µm Waste Drinking
 All Fiber Sizes Waste Drinking
TEM-Dust
 Microvac - ASTM D 5755
 Wipe - ASTM D6480
 Carpet Sonication (EPA 600/J-93/167)
Soil/Rock/Vermiculite
 PLM CARB 435 - A (0.25% sensitivity)
 PLM CARB 435 - B (0.1% sensitivity)
 TEM CARB 435 - B (0.1% sensitivity)
 TEM CARB 435 - C (0.01% sensitivity)
 EPA Protocol (Semi-Quantitative)
 EPA Protocol (Quantitative)
Other:

Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: Samplers Signature:

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled

Client Sample # (s): Total # of Samples: /

Relinquished (Client): Date: Time:

Received (Lab): *mv* Date: 11-2-12 Time: 10:00

Comments/Special Instructions:

Controlled Document - Asbestos Lab Services COC - A1 0 - 11/23/2009