

ADDENDUM TO
SPECIFICATIONS ENTITLED
"SPECIFICATIONS FOR 513 PICKENS STREET
AND ANNEX
ROOF REPLACEMENT
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA
PROJECT NO. H27-6100A CP00336848/FM00385442"

ADDENDUM NO. 1

SEPTEMBER 1 2013

The Specifications and Drawings contained in the project manual entitled "Specifications for 513 Pickens Street and Annex, Roof Replacement, University of South Carolina, Columbia, South Carolina, Project No. H27-6100 CP00336848/FM00385442, Date of Issue: August 2013" are amended as follows:

GENERAL

1. The Prebid Meeting Minutes are made a part of this addendum by reference.
2. Reference Asbestos Testing Results (by University of South Carolina), include the additional 16 pages.

SPECIFICATIONS

3. Reference Section 01100 – GENERAL INFORMATION, Paragraph 1.3.B, add the following:
 5. Area J
 - a. Ballasted EPDM roofing membrane.
 - b. Plywood roof deck.
4. Reference Section 01100 – GENERAL INFORMATION, Paragraph 1.3.F, add the following:
 10. Area J: 20

Remove the total square feet of 24,625 and replace with 24,645.
5. Reference Section 01270 – UNIT PRICES, on the Unit Price Form in the heading, delete (to be included with Schedule of Values) and replace with (to be included with Bid Form).
6. Reference Section 07411 – METAL ROOF PANELS, Paragraph 2.1, add the following item E.
 - E. Metal Roofing Systems, Inc. is approved for use on this project provided all such materials meet the requirements of the project specifications and the system warranty provided by the manufacturer is equivalent in all regards to the warranty required by the project specifications, including unlimited coverage of the cost of labor and materials to repair or replace defective panels, insulation, flashings and manufacturer's supplied accessories, etc. All materials required by the project specifications are to be furnished and installed in accordance with the specifications. One type of material is not to be substituted for another type of material.
7. Reference Section 07552 – SBS-MODIFIED BITUMEN MEMBRANE ROOFING, insert Paragraph 2.7 as follows:

2.7 CONDENSATE LINE SUPPORTS

A. Dura-Blok, DB5

1. 14 ga. (1.9 mm) galvanized channel, 1" high.
2. Ultimate load = 200 lbs.
3. 4.8 inches long

8. Reference Section 07552 – SBS-MODIFIED BITUMEN MEMBRANE ROOFING, Paragraph 3.1 System Schedule, add the following:

Ar J
Plywood deck
1/2" gypsum underlayment
1/8"/ft. tapered polyisocyanurate insulation, starting thickness 1/2" (mechanically attached)
1/2" gypsum coverboard (adhered)
2-ply SBS-modified bitumen membrane roofing system – torch applied

9. Reference Section 07552 – SBS-MODIFIED BITUMEN MEMBRANE ROOFING, delete Paragraph 3.11 in its entirety and replace with the following:

3.11 CONDENSATE LINE INSTALLATION

- A. At air conditioning units, provide new PVC condensate drains with integral P-trap as specified herein.
- B. Route condensate drain line to nearest gutter.
- C. Provide Dura-Blok and underlying walkpad at new and existing condensate drain line locations. Space blocking at 4 feet on center maximum.
- D. Cut strips of walkway units for installation under wood blocking from new full-size walkway units. Cut strips a minimum of 6 inches wider and longer than blocking to be supported.
- E. Adhere walkpad to membrane.
- F. Set Dura-Blok on walkpads without securing.
- G. Provide metal brackets to secure line to Dura-Blok.

DRAWINGS:

10. Delete Drawing R-100 and replace with attached Drawing R-100 (Addendum No. 1).
11. Add Roof Detail Sheet R-206 (Addendum No. 1).

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

END OF ADDENDUM

Enclosures: Additional Asbestos Test Results (16 pages)
R-100 (Addendum No. 1)
R-206 (Addendum No. 1)

5053



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

[Empty box for EMSL Order Number]

EMSL Analytical, Inc.
706 Galrin Street

Kernersville, NC 27284
PHONE: (336) 992-1025
FAX: (336) 992-4175

Company : University of South Carolina		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 743 Greene Street		Third Party Billing requires written authorization from third party	
City: Columbia	State/Province: SC	Zip/Postal Code: 29208	Country: United States
Report To (Name): Darryl Washington		Telephone #: 803-917-0291	
Email Address: washindh@fmc.sc.edu		Fax #: 803-777-3990	Purchase Order:
Project Name/Number: 513 Pickens St / EM004374		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: SC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

Turnaround Time (TAT) Options* - Please Check

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

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

PLM - Bulk (reporting limit)

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

TEM - Bulk

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

Other

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

Samplers Name: Samplers Signature:

Sample #	HA #	Sample Location	Material Description
		Stop positive for all homogeneous areas	

Client Sample # (s): - Total # of Samples: 18

Relinquished (Client): Date: Time:

Received (Lab): *SLC* Date: 9/13/13 Time: 10:00

Comments/Special Instructions: *SLC*

FX-7958 32071558

5053



Sample Analysis Date: 9/11/2013
 Turn Around Time: 24HR

Type of Analysis: Lead / Asbestos

Building # 129-513 PICKENS (NAVAL ROTC)

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	SURFACING MATERIAL	WALLS OF EXTERIOR OF BLDG	F	G	<1000 SF	LOW
A	2	SURFACING MATERIAL	WALLS OF EXTERIOR OF BLDG	F	G	<1000 SF	LOW
A	3	SURFACING MATERIAL	WALLS OF EXTERIOR OF BLDG	F	G	<1000 SF	LOW
B	4	ROOF CAULK; GREY	ROOF; N SIDE UNDER FLASHING	NF	G	<1000 SF	LOW
B	5	ROOF CAULK; GREY	ROOF; N SIDE UNDER FLASHING	NF	G	<1000 SF	LOW
B	6	ROOF CAULK; GREY	ROOF; N SIDE UNDER FLASHING	NF	G	<1000 SF	LOW
C	7	ROOF CAULK; WHITE	ROOF; UNDER CAP FLASHING; N SIDE	NF	G	<1000 SF	LOW
C	8	ROOF CAULK; WHITE	ROOF; UNDER CAP FLASHING; E SIDE	NF	G	<1000 SF	LOW
C	9	ROOF CAULK; WHITE	FOOF; UNDER CAP @ OFFSET	NF	G	<1000 SF	LOW
D	10	ROOF MASTIC; BLACK	ROOF; EAST SIDE	NF	G	<1000 SF	LOW

(TEM IF NEG)

(TEM IF NEG)

License # GR-00052
 FM# 00437413
 Signature: Dale Branham
 Requestor: DALE BRANHAM

5053



Building # 129-513 PICKENS (NAVAL ROTC)

Sample Analysis
Type of Analysis: Lead / Asbestos

9/11/2013

Turn Around Time 24HR

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
D	11	ROOF MASTIC; BLACK	ROOF; NORTH SIDE	NF	G	<1000 SF	LOW
D	12	ROOF MASTIC; BLACK	ROOF; WEST SIDE	NF	G	<1000 SF	LOW
E	13	STYROFOAM	ROOF OF NW BLOCK CONNECTOR BLDG <i>(TEM IF NEG)</i>	F	G	<1000 SF	LOW
E	14	STYROFOAM	ROOF OF SW BLOCK CONNECTOR BLDG	F	G	<1000 SF	LOW
E	15	STYROFOAM	ROOF OF NE BLOCK CONNECTOR BLDG	F	G	<1000 SF	LOW
F	16	RUBBER ROOF MEMBRANE	ROOF OF NW BLOCK CONNECTOR BLDG	NF	G	<1000 SF	LOW
F	17	RUBBER ROOF MEMBRANE	ROOF OF SW BLOCK CONNECTOR BLDG	NF	G	<1000 SF	LOW
F	18	RUBBER ROOF MEMBRANE	ROOF OF NE BLOCK CONNECTOR BLDG <i>(TEM IF NEG)</i>	NF	G	<1000 SF	LOW

License # GR-00052

FM# 00437413

Signature *[Handwritten Signature]*

Requestor DALE BRANHAM

FM00437350

FM00437350

USC Work Order

Description 513 PICKENS - ADDITIONAL HAZMAT TESTING

Site	COLUMBIA	Assigned To	JPROVENCE
Building	129 513 PICKENS STREET	Crew	HAZMAT
Floor	ROOF	Start Date	12-SEP-13
Equipment	Room:	Due date	13-SEP-13
		Request Date	12-SEP-13
		Priority	2
		by	BRANHAMD

Request #	FM00437350	Description	513 PICKENS - ADDITIONAL HAZMAT TESTING
Parent WO #			

CP Number	CP00366420	DM12 513 PICKENS AND ANNEX ROOF REPLACEMENT
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State/Internal Project Number	H27-6100
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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-W797-57140 (DEFERRED MAINTENANCE 2012)

Task List	ADDITIONAL SAMPLES TO BE TAKEN.
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DATE WORK STARTED	CAUSE
DATE WORK COMPLETED	CONDITION
EQUIPMENT	
CLOSING REMARKS	
BENCHSTOCK MATERIALS	
Qty	Description
	Price Per Unit

Supervisor's Approval _____

Note Date	Title
18-SEP-13	HAZMAT SURVEY RESULTS- ROTC MAIN BLD
SURVEY DATE: 9/11/13	
INSPECTOR #: DARRYL WASHINGTON II BI-00568	
STATUS: THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS CONTAINING MATERIALS RESULTS FOLLOWS	
SURFACING MATERIAL-NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
GRAY CAULK= NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
WHITE CAULK- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
BLACK MASTIC- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
STYROFOAM- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
RUBBER MEMBRANE MATERIAL- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
INSPECTORS NOTES:	

FM00437350

FM00437350

USC Work Order

ALL NOB'S CONFIRMED NEGATIVE PER TEM SAMPLING METHOD

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.

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

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

<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 021305653

CustomerID: UNSC62

CustomerPO:

ProjectID:

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

Phone: (803) 777-7000
 Fax: (803) 777-3990
 Received: 09/13/13 10:00 AM
 Analysis Date: 9/14/2013
 Collected:

Project: 129-513 Pickens (Naval ROTC)/ FM004737413

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 021305653-0001	Surfacing Material	Gray/Tan/Beige Non-Fibrous Heterogeneous	3% Glass <1% Cellulose	97% Non-fibrous (other)	None Detected
2 021305653-0002	Surfacing Material	Gray/Tan/Black Non-Fibrous Heterogeneous	3% Cellulose <1% Glass <1% Synthetic	97% Non-fibrous (other)	None Detected
3 021305653-0003	Surfacing Material	Gray/Beige Non-Fibrous Heterogeneous	2% Glass <1% Cellulose	98% Non-fibrous (other)	None Detected
4 021305653-0004	Roof Caulk	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
5 021305653-0005	Roof Caulk	Gray/Tan Non-Fibrous Heterogeneous	<1% Cellulose <1% Synthetic	100% Non-fibrous (other)	None Detected
6 021305653-0006	Roof Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
7-Soft, Thick Caulk 021305653-0007	Roof Caulk	Tan/Black Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
7-Crispy, Thin Caulk 021305653-0007A	Roof Caulk	Beige/Grayish Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected

Analyst(s)

James Cole (6)

Scott Combs (13)

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 09/14/2013 10:52:35


EMSL Analytical, Inc.

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

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greensborolab@emsl.com

EMSL Order: 021305653

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 Analysis Date: 9/14/2013
 Collected:

Project: 129-513 Pickens (Naval ROTC)/ FM004737413

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
8 <i>021305653-0008</i>	Roof Caulk	Tan/Black/Grayish Non-Fibrous Heterogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
9 <i>021305653-0009</i>	Roof Caulk	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
10 <i>021305653-0010</i>	Roof Mastic	Gray/Black Non-Fibrous Heterogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
11 <i>021305653-0011</i>	Roof Mastic	Gray/Black Fibrous Heterogeneous	5% Cellulose	95% Non-fibrous (other)	None Detected
12 <i>021305653-0012</i>	Roof Mastic	Black Fibrous Heterogeneous	8% Cellulose	92% Non-fibrous (other)	None Detected
13 <i>021305653-0013</i>	Styrofoam	White/Yellow Fibrous Heterogeneous	5% Glass	95% Non-fibrous (other)	None Detected
14 <i>021305653-0014</i>	Styrofoam	White/Yellow Fibrous Heterogeneous	5% Glass	95% Non-fibrous (other)	None Detected
15 <i>021305653-0015</i>	Styrofoam	White/Yellow Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected

Analyst(s)

James Cole (6)

Scott Combs (13)

 Stephen Bennett, Laboratory Manager
 or other approved signatory

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

Initial report from 09/14/2013 10:52:35


EMSL Analytical, Inc.

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

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greensborolab@emsl.com

EMSL Order:	021305653
CustomerID:	UNSC62
CustomerPO:	
ProjectID:	

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

Phone: (803) 777-7000
 Fax: (803) 777-3990
 Received: 09/13/13 10:00 AM
 Analysis Date: 9/14/2013
 Collected:

Project: 129-513 Pickens (Naval ROTC)/ FM004737413

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
16 <i>021305653-0016</i>	Rubber Roof Membrane	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
17 <i>021305653-0017</i>	Rubber Roof Membrane	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
18 <i>021305653-0018</i>	Rubber Roof Membrane	Black Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected

Analyst(s) _____

James Cole (6)
Scott Combs (13)

 Stephen Bennett, Laboratory Manager
 or other approved signatory

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

Initial report from 09/14/2013 10:52:35

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

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<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 021305653

CustomerID: UNSC62

CustomerPO:

ProjectID:

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

Phone: (803) 777-7000
 Fax: (803) 777-3990
 Received: 09/13/13 10:00 AM
 Analysis Date: 9/17/2013
 Collected:

Project: 129-513 Pickens (Naval ROTC)/ FM004737413

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
6 021305653-0019	Roof Caulk	Gray Non-Fibrous Homogeneous	100	None	No Asbestos Detected
9 021305653-0020	Roof Caulk	White Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
12 021305653-0021	Roof Mastic	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected
18 021305653-0022	Rubber Roof Membrane	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

Analyst(s)

Stephen Bennett (4)

Stephen Bennett, Laboratory Manager
 or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Initial report from 09/17/2013 09:55:46

5656



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL Analytical, Inc.
706 Galrin Street

Kernersville, NC 27284

PHONE: (336) 992-1025

FAX: (336) 992-4175

Company : University of South Carolina		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: 743 Greene Street		Third Party Billing requires written authorization from third party	
City: Columbia	State/Province: SC	Zip/Postal Code: 29208	Country: United States
Report To (Name): Darryl Washington		Telephone #: 803-917-0291	
Email Address: washindh@fmc.sc.edu		Fax #: 803-777-3990	Purchase Order:
Project Name/Number: 513 Pickens / FMO0437413		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
U.S. State Samples Taken: SC		CT Samples: <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.

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

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

Samplers Name: _____ Samplers Signature: _____

Sample #	HA #	Sample Location	Material Description
		Stop positive for all homogeneous areas	

Client Sample # (s): _____ Total # of Samples: **9**

Relinquished (Client): _____ Date: _____ Time: _____

Received (Lab): **SLC** Date: **9/13/13** Time: _____

Comments/Special Instructions: **FX-7958 3207 1558**

BoSo



Building # 129-513 PICKENS (ROTC ANNEX)

Type of Analysis: Lead / Asbestos / **Sample Analysis** Date: 9/11/2013

Turn Around Time 24HR

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	SURFACING MATERIAL	WALLS OF EXTERIOR OF BLDG; SE CORNER	F	G	<1000 SF	LOW
A	2	SURFACING MATERIAL	WALLS OF EXTERIOR OF BLDG; W WALL	F	G	<1000 SF	LOW
A	3	SURFACING MATERIAL	WALLS OF EXTERIOR OF BLDG; SW CORNER	F	G	<1000 SF	LOW
B	4	ROOF CAULK; BLACK	SE CORNER	NF	G	<1000 SF	LOW
B	5	ROOF CAULK; BLACK	MIDDLE; E WALL	NF	G	<1000 SF	LOW
B	6	ROOF CAULK; BLACK	MIDDLE; W SIDE <i>(TEM IF NEG)</i>	NF	G	<1000 SF	LOW
C	7	ROOF MASTIC; BLACK	ROOF @ PATCH; W SIDE	NF	G	<1000 SF	LOW
C	8	ROOF MASTIC; BLACK	ROOF @ PATCH; W SIDE, 20' FROM S CORNER	NF	G	<1000 SF	LOW
C	9	ROOF MASTIC; BLACK	ROOF @ PATCH; W SIDE <i>(TEM IF NEG)</i>	NF	G	<1000 SF	LOW

License # GR-00052 FM# 00437413 Signature *Dale Branham* Requestor DALE BRANHAM

FM00437350

FM00437350

USC Work Order

Description 513 PICKENS - ADDITIONAL HAZMAT TESTING

Site	COLUMBIA	Assigned To	JPROVENCE
Building	129 513 PICKENS STREET	Crew	HAZMAT
Floor	ROOF	Start Date	12-SEP-13
Equipment	Room:	Due date	13-SEP-13
		Request Date	12-SEP-13
		Priority	2
		by	BRANHAMD

Request #	FM00437350	Description	513 PICKENS - ADDITIONAL HAZMAT TESTING
Parent WO #			

CP Number	CP00366420	DM12 513 PICKENS AND ANNEX ROOF REPLACEMENT
------------------	------------	---

State/Internal Project Number	H27-6100
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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-W797-57140 (DEFERRED MAINTENANCE 2012)

Task List	ADDITIONAL SAMPLES TO BE TAKEN.
------------------	---------------------------------

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

Supervisor's Approval _____

Note Date	Title
18-SEP-13	HAZMAT SURVEY RESULTS - ROTC ANNEX BLD
SURVEY DATE: 9/11/13	
INSPECTOR #: DARRYL WASHINGTON II BI-00568	
STATUS: THE FOLLOWING MATERIALS HAVE BEEN TESTED FOR ASBESTOS CONTAINING MATERIALS RESULTS FOLLOWS	
SURFACING MATERIAL- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
BLACK CAULK- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
BLACK MASTIC- NEGATIVE FOR ASBESTOS CONTAINING MATERIALS	
INSPECTORS NOTES:	
ALL NOB'S CONFIRMED NEGATIVE PER TEM SAMPLING METHOD	
IF YOU ENCOUNTER ANY SUSPECT MATERIALS IN PLACE AND DEEM IT SUSPECT FOR ASBESTOS AND OR LEAD AND IT IS NOT LISTED ABOVE PLEASE STOP WORK AND CALL THE ASBESTOS PROGRAM MANAGER FOR FURTHER TESTING OR ABATEMENT	

FM00437350

FM00437350

USC Work Order

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

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

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

<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 021305656

CustomerID: UNSC62

CustomerPO:

ProjectID:

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

Phone: (803) 777-7000
 Fax: (803) 777-3990
 Received: 09/13/13 10:00 AM
 Analysis Date: 9/14/2013
 Collected:

Project: 129-513 Pickens (ROTC Annex)/ FM00437413

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 021305656-0001	Surfacing Material	Gray/Tan/Beige Fibrous Heterogeneous	5% Glass <1% Cellulose	95% Non-fibrous (other)	None Detected
2 021305656-0002	Surfacing Material	Gray/Tan/Blue Non-Fibrous Heterogeneous	<1% Glass <1% Cellulose	100% Non-fibrous (other)	None Detected
3 021305656-0003	Surfacing Material	White/Beige Fibrous Homogeneous	5% Glass	95% Non-fibrous (other)	None Detected
4 021305656-0004	Roof Caulk	Black/Grayish Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
5 021305656-0005	Roof Caulk	Black/Grayish Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
6 021305656-0006	Roof Caulk	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
7 021305656-0007	Roof Mastic	Brown/Black Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
8 021305656-0008	Roof Mastic	Brown/Black Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s)

James Cole (3)

Scott Combs (6)

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 09/14/2013 11:12:12



EMSL Analytical, Inc.

706 Gralin Street, Kernersville, NC 27284
 Phone/Fax: (336) 992-1025 / (336) 992-4175
<http://www.EMSL.com> greensborolab@emsl.com

EMSL Order: 021305656
 CustomerID: UNSC62
 CustomerPO:
 ProjectID:

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

Phone: (803) 777-7000
 Fax: (803) 777-3990
 Received: 09/13/13 10:00 AM
 Analysis Date: 9/14/2013
 Collected:


Project: 129-513 Pickens (ROTC Annex)/ FM00437413

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
9 021305656-0009	Roof Mastic	Brown/Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected

Analyst(s)

 James Cole (3)
 Scott Combs (6)


 Stephen Bennett, Laboratory Manager
 or other approved signatory

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

Initial report from 09/14/2013 11:12:12

**EMSL Analytical, Inc.**

706 Gralin Street, Kernersville, NC 27284

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

<http://www.EMSL.com>greensborolab@emsl.com

EMSL Order: 021305656

CustomerID: UNSC62

CustomerPO:

ProjectID:

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

Phone: (803) 777-7000
 Fax: (803) 777-3990
 Received: 09/13/13 10:00 AM
 Analysis Date: 9/17/2013
 Collected:

Project: 129-513 Pickens (ROTC Annex)/ FM00437413

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
6 021305656-0010	Roof Caulk	Black Non-Fibrous Homogeneous	100	None	No Asbestos Detected
9 021305656-0011	Roof Mastic	Black Non-Fibrous Heterogeneous	100	None	No Asbestos Detected

Analyst(s)

Stephen Bennett (2)

Stephen Bennett, Laboratory Manager
 or other approved signatory

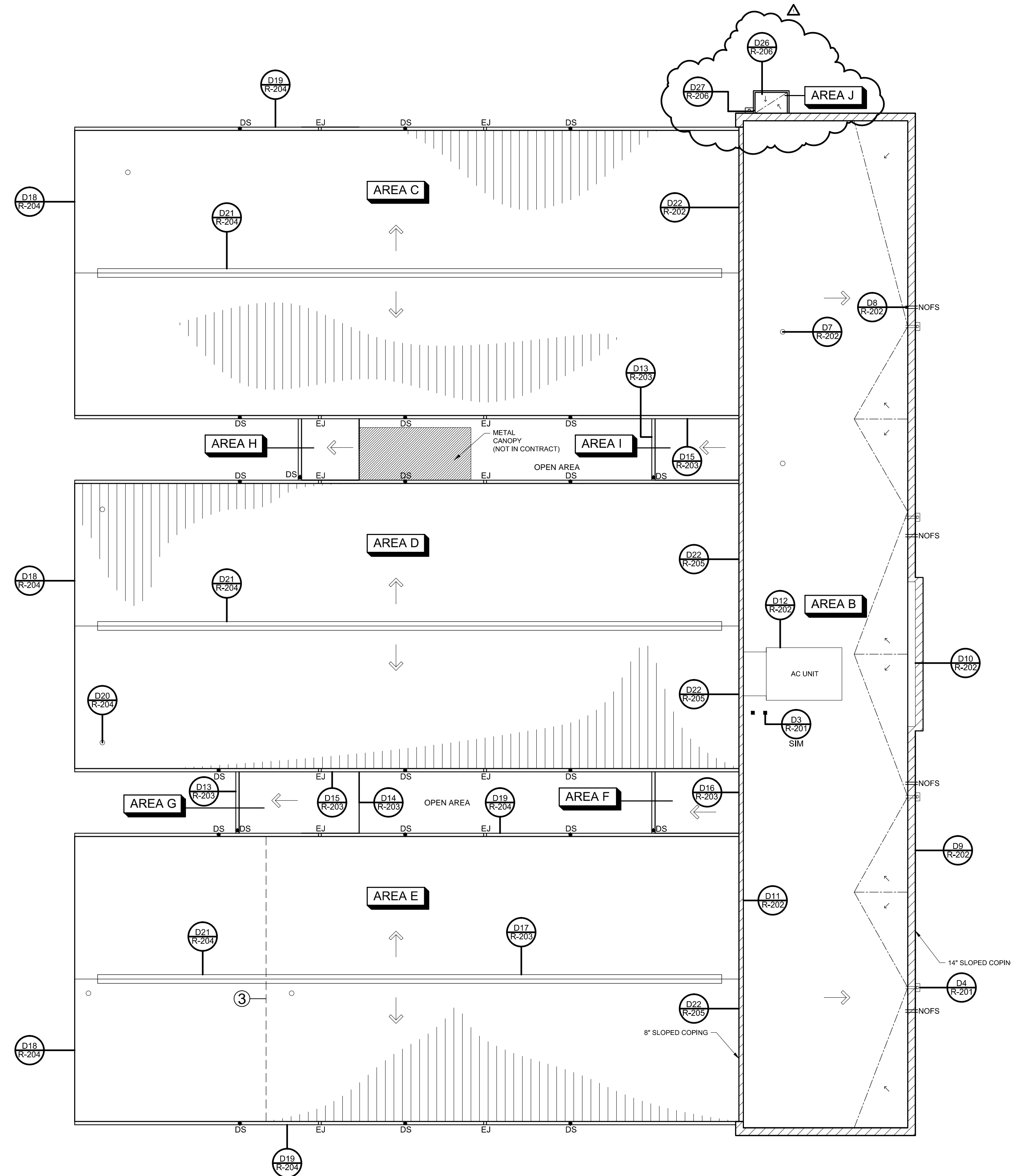
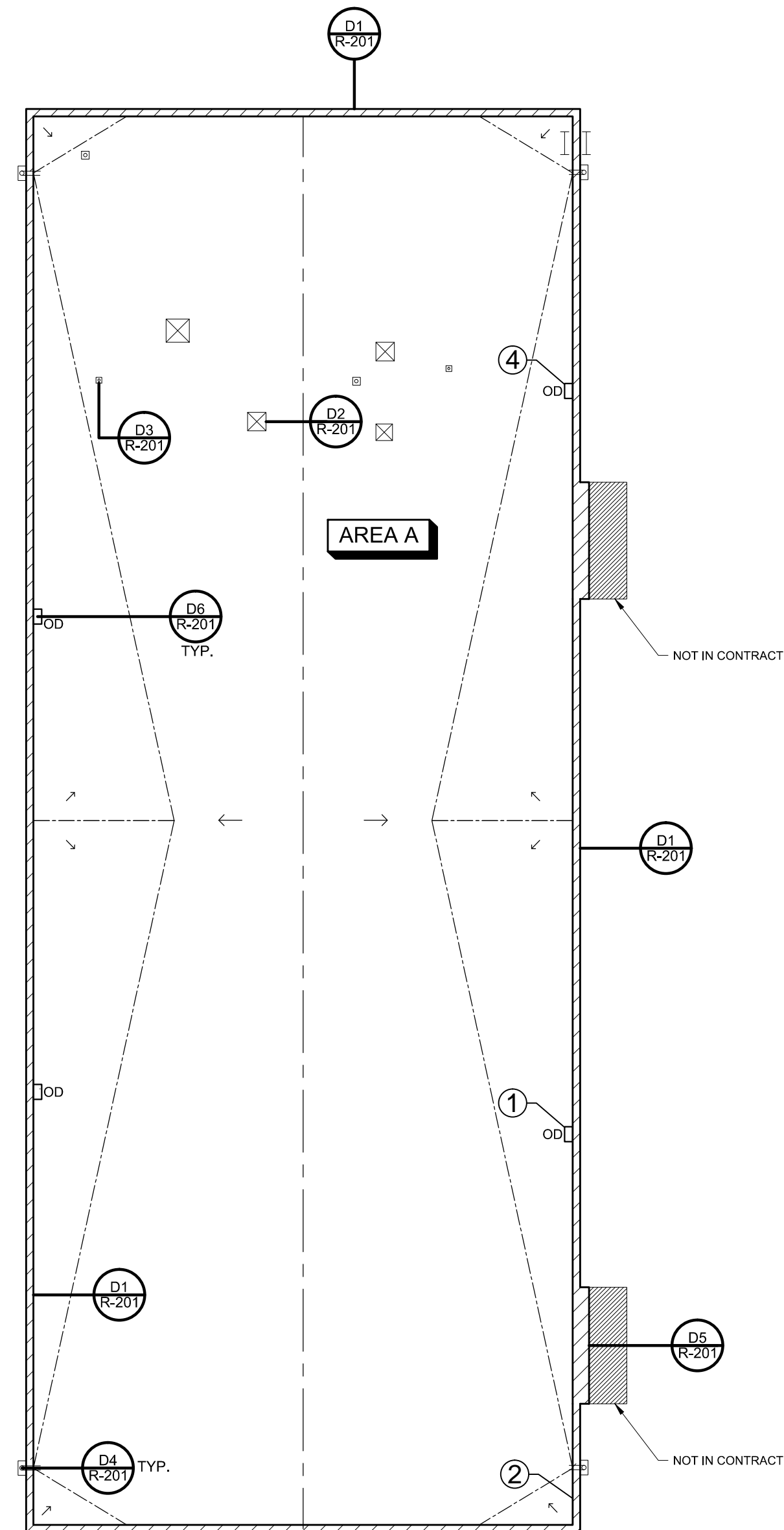
This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

Initial report from 09/17/2013 09:59:10

CONSTRUCTION NOTES:

- PREVIOUS ROOF REPLACEMENT PROJECT HAS COVERED AN OVERFLOW DRAIN AT THIS LOCATION. UNCOVER, TEST FOR CLOGS, FLASH AND CONNECT TO EXISTING DRAIN LEADER IN WALL AS UNIT PRICE WORK AS COVERED IN SPECIFICATIONS.
- APPLY MANUFACTURER'S LIQUID FLASHING SYSTEM AT PENETRATION TO PARAPET WALLS IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS.
- DO NOT INSTALL INSULATION EAST OF THE LINE WHERE INSULATION DOES NOT CURRENTLY EXIST.
- MODIFY AS NECESSARY TO CLEAR TAPERED INSULATION CRICKETS.



LEGEND

- NOFS NEW OVERFLOW SCUPPER
- RDW SCUPPER ROOF DRAIN WITH SCUPPER
- PARAPET
- MU MECHANICAL UNIT
- CC COVERED CURB
- FEQ FLASHED EQUIPMENT CURB
- PP PITCH PAN
- VPP VENT PIPE PENETRATION
- HS HOT STACK
- TI TAPERED INSULATION
- TIS TAPERED INSULATION SLOPE
- DS DECK SLOPE
- DN DETAIL NO.
- OD OVERFLOW DRAIN
- GD GUTTER WITH DOWNSPOUT
- EJ GUTTER WITH EXPANSION JOINT

CODE SUMMARY

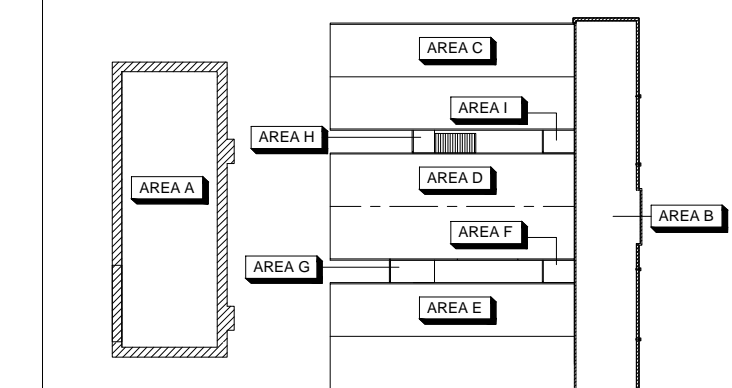
INTERNATIONAL BUILDING CODE (2006 EDITION) AND ASCE 7-05

BASIC WIND SPEED = 95 MPH
 IMPORTANCE FACTOR = 1.15
 EXPOSURE CATEGORY = B
 INTERNAL PRESSURE COEF. = +/- 0.18

THE NEW ROOF SYSTEM SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE FOLLOWING WIND UPLIFT PRESSURES:

- INTERIOR ZONE = -25 PSF
- EDGE ZONE = -44 PSF
- CORNER ZONE = -53 PSF

KEYPLAN



STAFFORD ENGINEERS CONSULTING
 A TITACOM COMPANY
 Building Envelope Systems Specialists

2020 STARITA ROAD SUITE E
 CHARLOTTE, NORTH CAROLINA, PH: 1.800.545.6199
 RALEIGH, CHARLOTTE, JACKSONVILLE

PROJECT NAME AND ADDRESS:



513 PICKENS STREET AND ANNEX ROOF REPLACEMENT

OWNER'S PROJECT NUMBER: H27-6100

UNIVERSITY OF SOUTH CAROLINA

ADDRESS:
 UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA

ENGINEER STATE LICENSE SEAL



- ISSUE FOR:
- ISSUED FOR DESIGN DEVELOPMENT SUBMITTAL: NOT FOR CONSTRUCTION
 - ISSUED FOR SURVEY REPORT SUBMITTAL: NOT FOR CONSTRUCTION
 - ISSUED FOR 60% CONSTRUCTION DOCUMENT SUBMITTAL: NOT FOR CONSTRUCTION
 - ISSUED FOR CONSTRUCTION DOCUMENT SUBMITTAL: NOT FOR CONSTRUCTION
 - ISSUED FOR BIDDING
 - ISSUED FOR CONSTRUCTION DOCUMENT SUBMITTAL: FOR CONSTRUCTION
 - ADDENDUM SUBMITTAL
 - RECORD DOCUMENTS

ISSUE DATE:
AUGUST 14, 2013

REVISIONS:

REV. NO.	DATE	DESCRIPTION
1	08/16/2013	ADDENDUM #1

PROJECT TEAM:

DESIGNED BY: **AWM**

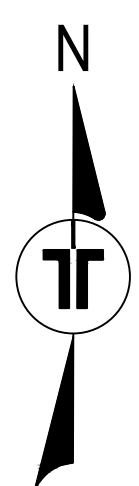
DRAWN BY: **EGM**

APPROVED BY: **LTH**

PROJECT NUMBER:
FH136819

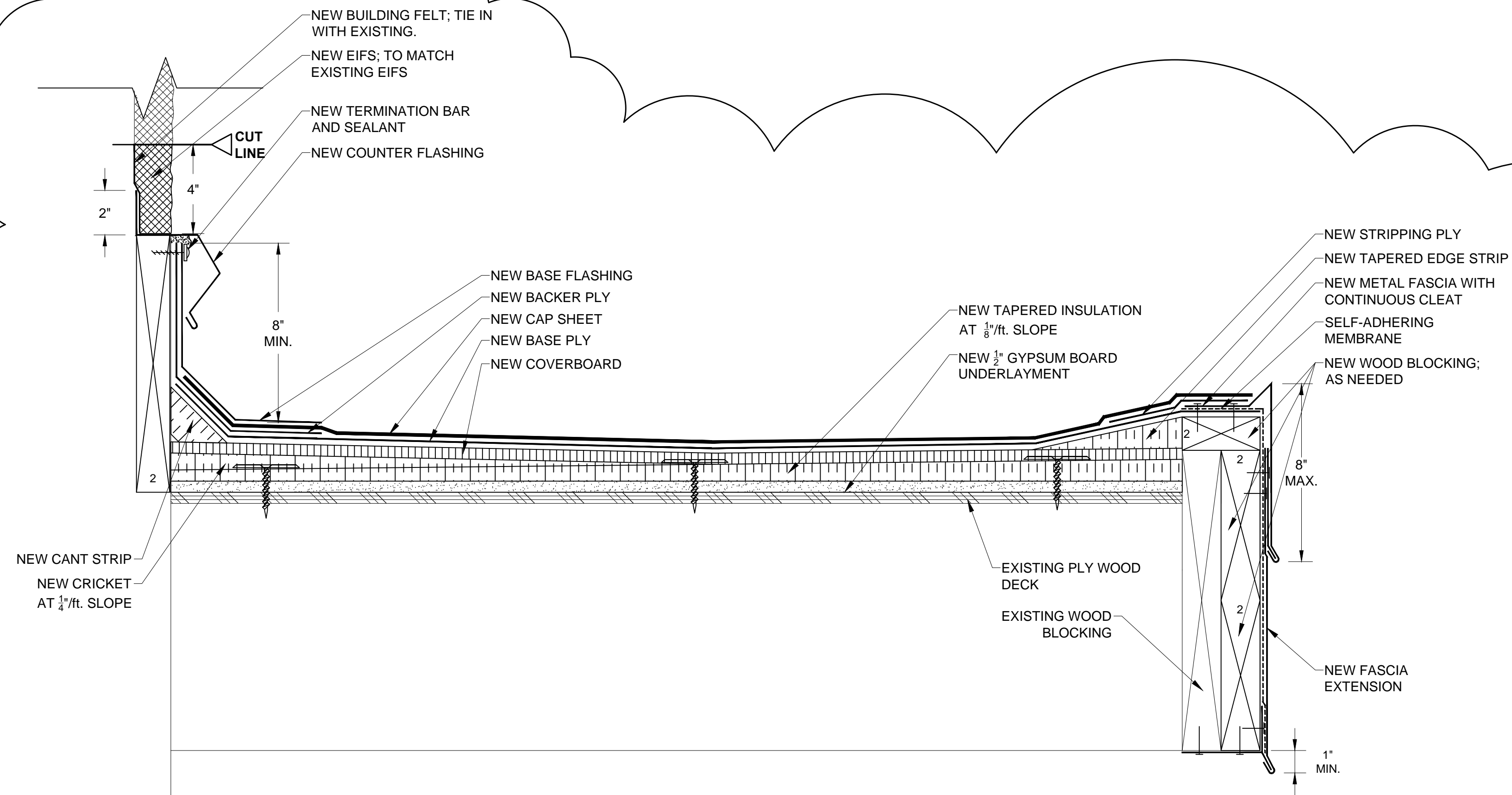
SHEET TITLE:
ROOF PLAN

SHEET NUMBER:
R-100



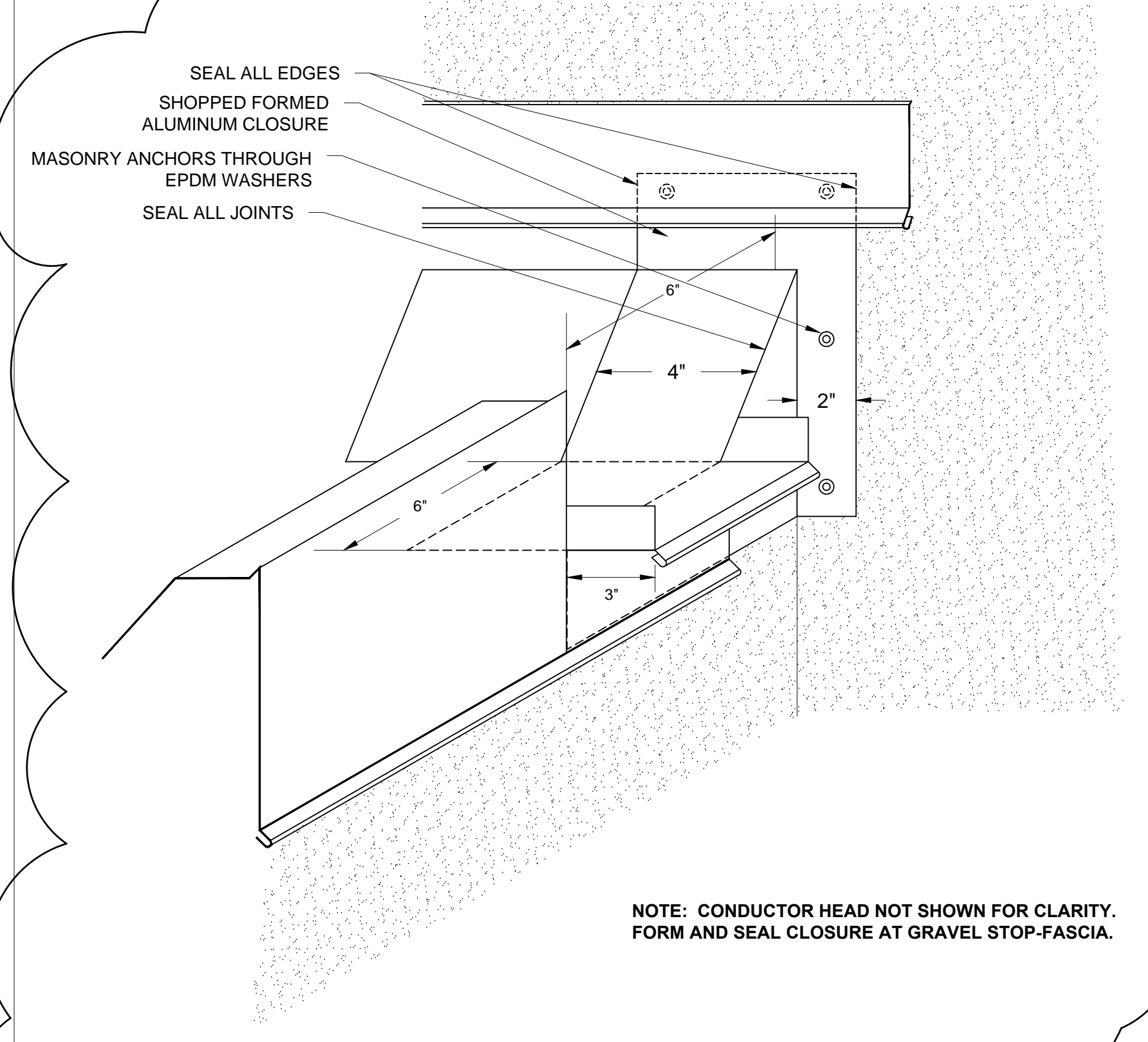
RP1 ROOF PLAN: 513 PICKENS STREET AND ANNEX
 SCALE: 3/32"=1'-0"
 0 2' 4' 6' 10' 14'

1



D26 CANOPY DETAIL
SCALE: 3" = 1'
0 1" 2" 3" 4" 6"

1



D27 THROUGH-FASCIA SCUPPER DETAIL
SCALE: 3" = 1'
0 1" 2" 3" 4" 6"

PROJECT NAME AND ADDRESS:



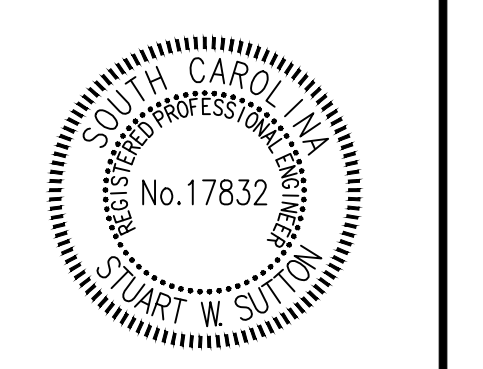
513 PICKENS STREET AND ANNEX ROOF REPLACEMENT

OWNER'S PROJECT NUMBER: H27-6100

UNIVERSITY OF SOUTH CAROLINA

ADDRESS:
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

ENGINEER STATE LICENSE SEAL



- ISSUE FOR:
- ISSUED FOR DESIGN DEVELOPMENT SUBMITTAL: **NOT FOR CONSTRUCTION**
 - ISSUED FOR SURVEY REPORT SUBMITTAL: **NOT FOR CONSTRUCTION**
 - ISSUED FOR 50% CONSTRUCTION DOCUMENT SUBMITTAL: **NOT FOR CONSTRUCTION**
 - ISSUED FOR CONSTRUCTION DOCUMENT SUBMITTAL: **NOT FOR CONSTRUCTION**
 - ISSUED FOR BIDDING SUBMITTAL: **FOR CONSTRUCTION**
 - ISSUED FOR CONSTRUCTION DOCUMENT SUBMITTAL: **FOR CONSTRUCTION**
 - ADDENDUM SUBMITTAL
 - RECORD DOCUMENTS

ISSUE DATE:
AUGUST 14, 2013

REVISIONS:

REV. NO.	DATE	DESCRIPTION
1	08/18/2013	ADDENDUM #1

PROJECT TEAM:

DESIGNED BY:
AWM

DRAWN BY:
EGM

APPROVED BY:
LTH

PROJECT NUMBER:
FH136819

SHEET TITLE:
ROOF DETAILS

SHEET NUMBER:
R-206

September 19, 2013
Project No. FH136819

Mr. Dale Branham
University of South Carolina
Facilities Planning and Construction
743 Greene Street
Columbia, South Carolina 29208

Subject: Prebid Meeting – Roof Replacement
513 Pickens Street and Annex
University of South Carolina
Columbia, South Carolina
Project No. H27-6100 CP00336848/FM00385442

Dear Mr. Branham:

The Prebid Meeting was convened for the subject project in Conference Room #53 at 743 Greene Street, Columbia, South Carolina on September 11, 2013 at approximately 10:00 a.m. A walk-through was performed after the meeting at the facility. The following individuals were in attendance:

<u>Name</u>	<u>Firm Represented</u>
Mr. Dale Branham	University of South Carolina
Mr. Ty Russell	University of South Carolina
Mr. Brian Wood	University of South Carolina
Mr. Patrick Huffman	University of South Carolina
Ms. Juaquana Brookins	University of South Carolina
Mr. Eric Melaro	University of South Carolina
Mr. Chris Trimnal	Watts and Associates Roofing
Mr. Jay Ross	Team Roofing
Mr. Joe Armstrong	Team Roofing
Me. Thom Piontel	Tecta America
Mr. Greg Stehura	Nations Roof
Mr. Swain Miles	Roofco Inc.
Mr. Paul Cromer	Fort Roofing
Mr. B. D. Yarborough	Southern Roofing
Mr. Kenneth Ferrell	C. E. Bourne & Co.
Mr. John Gann	CCR
Mr. Dean Marker	Eskola Roofing
Mr. Mike Moorshead	Roofers Supply
Mr. Ricky Jackson	Best Distributing
Mr. Alex Montgomery	Stafford Consulting Engineers
Mr. Jeff Poe	Stafford Consulting Engineers

The following items were discussed:

1. Initial introductions were made by Mr. Dale Branham. Ms. Juaquana Brookins works in the USC Purchasing Department and Request for Bids are to be emailed to her attention. Mr. Branham is the USC Project Manager. Mr. Alex Montgomery with Stafford Consulting Engineers convened the Prebid Meeting. Mr. Jeff Poe will be the Project Manager for Stafford. Technical questions may be referred to Alex Montgomery (704-594-8930 or 704-868-6423) or Jeff Poe (704-594-8939 or 828-230-0563).
2. Contractors were advised that the Prebid Meeting is non-mandatory and that other contractors who were not at the Prebid Meeting may participate on the project.
3. Requests for Bids are due to USC on September 24, 2013 at 2:00 pm in Conference Room #53 at 743 Greene Street, Columbia, South Carolina. Contractors were reminded that it is their responsibility to ensure that their quotes arrive at the designated location at the designated time. Quotes will be opened and read aloud.
4. Contractor should be familiar with all USC Supplemental Conditions.
5. Staging location for roofing work will be provided by Owner. Exact locations will be discussed at the Preconstruction Meeting.
6. It was noted that there is asbestos identified in roof system and mastics. Asbestos will be abated according to USC standards which are more stringent than local and federal requirements. Contractor must be certified for handling asbestos or hire outside USC approved parties.
7. Contractors were reminded that only the written word as contained in the plans and specifications, including any addenda that may be issued is binding.
8. It is the Contractors' responsibility to read and review all of the project documents, including addenda.
9. Statements made by the Engineer or agency representative are for the sole purpose of calling Contractors' attention to items of importance in the project documents.
10. All questions or requests for clarification must be submitted in writing. All responses will be made in the form of addenda to the project documents.
11. Each bid shall have a bid security of not less than 5% of the um of the base bid.
12. The Contractor with the successful quote shall provide a Performance Bond and a Labor and Materials Payment Bond, each in the full amount of the contract price.
13. Contractors and all subcontractors shall be licensed in accordance with the requirements of the Contractors' Licensing Board.
14. The following items were emphasized:

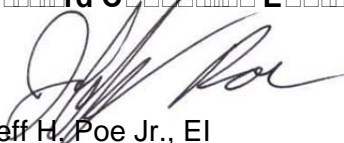
- a. Substitution requests must be submitted by a contractor in writing with substantiating data to the Engineer no later than 10 days prior to the Bid Opening date. Engineer shall include in an addendum any approved substitutions. Engineer's decision shall be final.
 - b. No addenda will be issued later than 120 hours prior to the date and time for receipt of bids, except addenda postponing the date of receipt of bids or withdrawing the invitation for bids.
 - c. Bidder shall not qualify bid.
 - d. Official time for receipt of bids will be determined by reference to the clock designated by the Owner's procurement officer or his/her designee.
15. Contractors shall acknowledge receipt of all addenda. Quotes are to be shown in figures only.
 16. Contract time has been set at seventy-five (75) calendar days from the Date of Commencement. Date of Commencement shall be established in the Notice to Proceed.
 17. Liquidated Damages have been set at \$250.00 for each calendar day that the actual construction time required to achieve Substantial Completion exceeds the specified or adjusted time for Substantial Completion as provided in the Contract Documents.
 18. Contact information for the Owners' representatives and the Engineer's representative are listed in OSE Form 00501.
 19. Insurance requirements are covered in OSE Form 00811 on page 14.
 20. Section 01000 – General Requirements. Grounds and landscaping provisions are in USC Supplemental General Conditions.
 21. Section 01100 – General Information. Work under the Base Bid is covered in this section. Materials may be delivered to the site prior to this date, with coordination with the Owner. Substantial Completion is defined in this Section.
 22. Section 01210 – Base Bid Quantities. Base Bid quantities that are to be included in the Base Bid are listed in this section.
 23. Section 01250 – Contract Modification Procedures. Owner initiated and contractor initiated change order procedures are discussed in this section. SE-480 shall be the form used for change orders on this project.
 24. Section 01270 – Unit Prices. Unit prices for base bid quantities listed in Section 01210 are discussed in this section. The completed Unit Price Form found at the end of this section is to be included with the submitted Schedule of Values. The unit price form is to be submitted with bid. This will be addressed by addendum.
 25. Section 01290 – Payment Procedures. AIA Documents G702 and G703 are to be used for payment applications.
 26. Section 01330 – Submittal Procedures. Requirements for submittals are described in this section. A transmittal form and submittal checklist are included for the contractor's use.

27. Section 01400 – Quality Requirements. Requirements for contractor's and superintendent's qualifications are described in this section. Inspections of the work by Stafford are discussed in this section. Contractor will provide all necessary permits.
28. Section 01700 – Execution Requirements. Requirements for quality, installation, progress cleaning, etc. are covered in this section.
29. Section 01733 – Asbestos Products. Materials were sampled and tested by an independent laboratory and asbestos was found in the wall panels scheduled to be removed and discarded. All required precautions will be required to be taken during the removal and disposal of asbestos containing material. No asbestos containing materials are to be incorporated into this work.
30. Section 01770 – Closeout Procedures. Requirements for closeout procedures are described in this section. A document checklist is included for the contractor's use. Contractor Warranty forms are included in this section.
31. Section 06100 – Rough Carpentry. Work, including materials, associated with the carpentry is covered in this section.
32. Section 07000 – Roofing Preparation. Removals, deck repair, overflow scupper installation, etc. are covered in this section.
33. Section 07411 – Metal Roof Panels. Requirements for the work and materials associated with the metal roof panels and insulation are covered in this section. Materials required for this work are described in this section. The System Schedule is included in this section.
34. Section 07552 – SBS-Modified Bituminous Membrane Roofing. Requirements for the work and materials associated with the modified bituminous membrane and insulation are covered in this section. Materials required for this work are described in this section. The System Schedule is included in this section.
35. Section 07620 – Sheet Metal Flashing and Trim. Requirements for the work and materials associated with the sheet metal flashing are covered in this section. The sheet metal schedule is included in this section and contains sheet metal types and gauges.

There being no further questions or comments the meeting was adjourned. A walk-through of both facilities was performed. All attendees are requested to notify the undersigned of any significant changes or omissions.

Respectfully,

Stafford Construction Enterprises



Jeff H. Poe Jr., EI
Project Manager



Alex W. Montgomery, PE RRO
Project Manager

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: 513 Pickens Street & Annex Roof Replacement

Project Number: H27-6100

Pre Bid Date & Time: September 11, 2013 @ 10am

Name	Company Name	Address	Phone #	Email
JAY ROSS	TEAM ROOFINC	2241 TECH. RD N. CHAR. SC	843 749-3597	J.ROSS@TEAMROOFINC.INC.COM
Joe Armstrong	"	"	843 749-3597	Joe.armstrong@teamroofinc.com
Tr Russell	USC	700 Pendleton	71-1008	trussred@mc.sc.edu
ERIC MENDOZA	USC	"	509-3376	mendoza@mailbox.sc.edu
Chris Trimani	WATTS ASSOC. Roofing	P.O. Box 21273 Columbia, SC 29221	(803) 786-4610	scatt@wattsroofing.com
Alex Montgomery	STAFFORDS	2020 - E SPIRIT RD CHARLOTTE, NC 28206	704-594-8930	amontgomery@stafford-usa.com
JEFF ROE	"	"	704-594-8930	STROE@SPRACK.COM
Thom Binstel	Tetra America	13615 E. Independence Blvd Indian Trail, NC 28078	704-992-1200	TBinTel@TetraAmerica.com
Greg Stehura	Nations Roof	1859 Lindbergh St. Charlotte, NC	704-398-2642	gstehura@nationsroof.com

* Please make sure you list your company name as registered with LIR.
* By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

28205

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: 513 Pickens Street & Annex Roof Replacement

Project Number: H27-6100

Pre Bid Date & Time: September 11, 2013 @ 10am

Name	Company Name	Address	Phone #	Email
Dean Walker	ESCOLON	579 Acketers Gerrard St SC 29609	864 738-7775	Dean@escolonroofing.com
MIKE MODRHEAD	ROOFERS SUPPLY	34 CONSTRUCTION DR RIDDMANT, SC 29673	864 299-0055	m.kem@rooferssupplyinc.com
Juaquana Brooks	USC	743 Greene St. Columbia SC 725 MAUNY DR	803.719.3516	jbrooks@ufmc.sc.edu
Ricky Jackson	BEST DRYING	Columbia SC 29201	(803)513-3500	Jackson@bestdry.com

*Please make sure you list your company name as registered with ULR.
* By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: 513 Pickens Street & Annex Roof Replacement
Project Number: H27-6100
Pre Bid Date & Time: September 11, 2013 @ 10am

Name	Company Name	Address	Phone #	Email
Wesley Miles	Roofco inc	Sumth- SC 29150 1345 North Pleasant 14 W oakland Ave Scurter, SC 29152	803-775-8560	roofco@sc.in.com
Paul Couey	Fort Roofing	N Wise Drive Scurter SC	803-773-8221	pcouey@fortroofing.com
BD McBarack	Southern Roofing	PO Box 1014 Greenwood, SC 29648	804-223-0188	BD@SouthernRoofing.com
Kenneth Fennell	C.E. Bourne & co, Inc.	4355 Ad-100 Hwy Conway SC 29528	843-369-4101	kenneth@cebourne.com
John A. Gann	CCO			JGANN@SCCOAST.NET
Brian Wood	MSC		803-422-5441	
Patrick Williams	USC		803-917-6513	
DAVE BRADMAN	USC		803-312-5979	BRADMAN@FMC.SC.EDU
SEFF ROE	STAFFORD	2020-E STAFFORD RD CHARLOTTE NC	704-594-8934	SROE@STAFFORD.COM

*Please make sure you list your company name as registered with U.S. By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.

University of South Carolina Pre Bid Sign In Sheet

Columbia, South Carolina

Project Name: 513 Pickens Street & Annex Roof Replacement

Project Number: H27-6100

Pre Bid Date & Time: September 11, 2013 @ 10am

Name	Company Name	Address	Phone #	Email
ALEX MONTGOMERY	STAFFORD	2020-E STACITA RD CHARLOTTE, NC	704-594-8930	

*Please make sure you list your company name as registered with LIR.
 * By signing and providing your email address, you are authorizing the University of South Carolina to send you information electronically.