

ADDENDUM TO  
SPECIFICATIONS ENTITLED  
"SPECIFICATIONS FOR  
WARDLAW COLLEGE ROOF REPLACEMENT-RE-BID  
STATE PROJECT NO. 50003317-2  
WARDLAW COLLEGE  
COLLEGE OF EDUCATION  
820 SOUTH MAIN STREET  
COLUMBIA, SOUTH CAROLINA"

**ADDENDUM NO. 1**

**March 16, 2020**

The Specifications and Drawings contained in the project manual entitled "Specifications for Wardlaw College Roof Replacement-RE-BID, State Project No. 50003317-2, Wardlaw College, College of Education, 820 South Main Street, Columbia, South Carolina" are amended as follows:

**GENERAL**

1. In response to the novel coronavirus outbreak and any potential impact to our campus, we are rescheduling the Bid Closing as follows:  
  
Bid Closing April 9, 2020 AT 2:30pm 1300 Pickens St. Room 100B, Columbia, 29208. All other terms and conditions remain unchanged.
2. Results were returned as Negative for Asbestos at the exterior stucco wall along Roof Area F. Asbestos test results are attached.
3. Unistrut's located at the HVAC unit on Roof Area A will need to be cut to allow removal of existing roof and installation of new roofing system. Once new roofing system is installed, Contractor is to install new supports at Unistrut's similar to the supports on Roof Area D. See attached photos.
  - a. Temporary supports will be required at both Roof Area A and D when demoing the existing roof to support HVAC duct work.

**SE-330 LUMP SUM BID FORM**

1. Delete SE-330 – Lump Sum Bid Form in its entirety and replace with attached SE-330 Lump Sum Bid Form (Addendum No. 1).

**SECTION 012300-ALTERNATES**

1. Reference PART 3 - EXECUTION, Section 3.1 - SCHEDULE OF ALTERNATES, add the following section:
  - C. Alternate No.3:
    1. Install roofing system utilizing insulation adhesive and torch applied application in lieu of hot asphalt.

SECTION 017320-SELECTIVE DEMOLITION

1. Reference PART 3 - EXECUTION, Section 3.1 – REMOVALS, paragraph G and delete in its entirety and add the following:
  - C. G. Remove all pourable pitch pockets and discard.

SECTION 075520- SBS-MODIFIED BITUMINOUS MEMBRANE ROOFING

1. Reference PART 3 - EXECUTION, Section 3.1 - GENERAL SCHEDULE, add the following table:

<b>Table 3-1 ALTERNATE NO. 3</b>
<b>Roof Areas A, C1, C3 &amp; D</b>
Structural concrete deck (existing)
Membrane underlayment (torch applied)
One layer of 2-inch polyisocyanurate (adhered)
1/8-inch taper insulation (adhered)
1/2-inch gypsum
Base ply (Torch applied)
Cap sheet (Torch applied)
<b>Roof Area B</b>
Metal deck
5/8-inch gypsum underlayment (loose laid)
One layer of 2-inch polyisocyanurate (mechanically fastened)
1/4-inch tapered insulation (adhered)
1/2-inch gypsum coverboard (adhered)
Base ply (Torch applied)
Cap sheet (Torch applied)
<b>Roof Area C2</b>
Structural concrete deck (existing)
Membrane underlayment (torch applied)
1/4-inch tapered insulation (adhesive)
1/2-inch Gypsum coverboard (adhesive)
Base ply (torch)
Liquid PMMA roof system

<b>Roof Areas C4 &amp; F</b>
Structural concrete deck (existing)
Membrane underlayment (torch applied)
1/4-inch tapered insulation (adhered)
1/2-inch gypsum coverboard (adhered)
Base ply (Torch applied)
Cap sheet (Torch applied))

<b>Roof Area E</b>
Lightweight concrete
Vented base sheet (mechanically fastened)
One layer of 2-inch polyisocyanurate (adhered)
1/8-inch tapered insulation (adhered)
½-inch Gypsum coverboard (adhered)
Base ply (Torch applied)
Cap sheet (Torch applied)

2. Reference PART 3 - EXECUTION, Section 3.6 –INSULATION APPLICATION, paragraph G and Add the following subparagraph:
  1. Start tapered insulation systems at drains and increase insulation thickness toward high points. Provide a minimum thickness of **1.5 inches** above the underlying insulation.

#### DRAWINGS

1. Delete Drawings G-101, A-101, A-102 and A-103 in their entirety and replace with attached Drawings G-101, A-101, A-102 and A-103 (Addendum No. 1)

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

Enclosure: Asbestos Test Results  
SE-330 LUMP SUM BID FORM (Addendum No.1)  
Unistrut Photographs  
Drawings: G-101, A-101, A-102 and A-103 (Addendum No. 1)  
Prebid Sign In Sheets

END OF ADDENDUM

## Asbestos Test Results

Description HAZMAT SURVEY - 080

<b>Site</b>	COLUMBIA	<b>Assigned To</b>	SSINCLAIR
<b>Building</b>	080 WARDLAW COLLEGE	<b>Crew</b>	HAZMAT
<b>Floor</b>	ROOF	<b>Start Date</b>	16-APR-18
<b>Room:</b>		<b>Priority</b>	20
<b>Equipment</b>		<b>Due date</b>	
		<b>Request Date</b>	22-FEB-18
		<b>by</b>	CAMOORE

<b>Request #</b>	FM00568662	<b>Description</b>	HAZMAT SURVEY - 080
<b>Parent WO #</b>			

<b>CP Number</b>	50003317-2	WARDLAW COLLEGE ROOF REPLACEMENT
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<b>State/Internal Project Number</b>	H27-Z377
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<b>Requestor</b>		<b>Project Manager</b>	BRANHAM, DALE
<b>Telephone</b>		<b>Telephone</b>	777-1288
<b>Alternate</b>		<b>Estimated Cost</b>	\$ 2,958.50
<b>Telephone</b>		<b>Billing</b>	FIXED PRICE
<b>Non-Available Time</b>		CL013-57140	(FACILITIES PLANNING - CONSTR)

**Task List**

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

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

Note Date	Title
23-JUL-19	HAZMAT SURVEY RESULTS
SURVEY DATE: 7/23/2019	
INSPECTOR #: ANTONIO THOMPSON (GR00052)	
SCOPE: THE FOLLOWING SURVEY WAS PERFORMED IN PREPARATIONS TO REPAIR DAMAGE STUCCO ON THE EXTERIOR PORTION OF THE BUILDING.	
ASBESTOS SECTION: STUCCO: NEGATIVE FOR ASBESTOS	
INSPECTOR NOTES:	
1. IF A BUILDING MATERIAL IS NOT LISTED, DO NOT ASSUME THAT IT DOES NOT CONTAIN ASBESTOS. IT MAY NOT HAVE BEEN TESTED. FOR FURTHER INFORMATION, PLEASE CONTACT THE USC HAZMAT PROGRAM.	
2. 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.	
3. PLEASE NOTE THAT THE MATERIAL QUANTITY PROVIDED ON THE FIELD SHEET IS ONLY AN ESTIMATE FOR SAMPLING PURPOSES. THE QUANTITY	

SHOULD BE FIELD VERIFIED FOR ALL OTHER PURPOSES INCLUDING ABATEMENT. THIS SURVEY IS ONLY VALID FOR THE DESIGNATED AREA(S)/LOCATION(S) TESTED IE: (WARDLAW COLLEGE EXTERIOR WALLS).

### 02-MAY-18 HAZMAT SURVEY RESULTS

SURVEY DATE:05/07/2018

INSPECTOR #: SIMONE WARREN (GR00052)

SCOPE: THE FOLLOWING SURVEY WAS PERFORMED IN PREPARATION TO REMOVE/REPLACE EXISTING ROOF AT WARDLAW COLLEGE. THE FOLLOWING SECTIONS TO BE IMPACTED INCLUDE: SECTIONS A, B, C, D, E, AND F. PLEASE SEE ATTACHMENT FOR IMAGES, BIRDS EYE VIEW OF ROOF, AND SECTION DESIGNATIONS. PLEASE NOTE: IN-HOUSE ROOFERS CORE DRILLED ROOFING MATERIAL TO THE DECK. LAB RESULTS WILL REFLECT RESULTS FOR ALL LAYERS. CLIENT INDICATED THAT HVAC DUCT WORK AND HVAC DUCT MASTICS & ITS CORRESPONDING CAULK WILL NOT BE IMPACTED BY PLANNED WORK ACTIVITIES. CLIENT HAS ALSO INDICATED THAT ROOF LAYERS SHALL BE TREATED AS ONE UNIT AND OTHERWISE CANNOT BE ABATED SEPERATELY BY LAYER.

#### ASBESTOS SECTION :

SECTIONS A,B,C,D, E AND F

- ROOFING MATERIAL: POSITIVE FOR ASBESTOS
- ALL EXISTING ROOF FELT:TREATED POSITIVE FOR ASBESTOS
- ROOF FLASHING (TO INCLUDE ALL PATCHWORK): POSITIVE FOR ASBESTOS.
- WHITE SEALANT AND ANY OTHER MATERIAL USED TO PATCH AND SEAL AREAS ON ROOF :TREATED POSITIVE FOR ASBESTOS
- ALL EXISTING CAULK ENCOUNTERED: POSITIVE FOR ASBESTOS (PLEASE SEE LINE 1 INSPECTORS NOTES FOR EXCLUSIONS TO THIS LINE ITEM)
- SILVER PAINTED DECORATIVE ORNAMENTS/ROOF FELT/CAULK: POSITIVE FOR ASBESTOS. PLEASE NOTE: ROOF FELT MATERIAL WAS PRESENT UNDER SILVER PAINT. RESULTS FOR ROOF FELT: 60% CHRYSOTILE. CORRESPONDING SILVER CAULK IS ALSO POSITIVE FOR ASBESTOS.
- TEXTURED PLASTER (SECTION F: INTERIOR STAIRWELL): NEGATIVE FOR ASBESTOS
- HVAC DUCT WORK (BLACK INTERIOR/WHITE EXTERIOR) : NEGATIVE FOR ASBESTOS

#### LEAD SECTION:

SILVER PAINT OBSERVED ON DECORATIVE ORNAMENTS: POSITIVE FOR LEAD

YELLOW PAINTED WALL AT METAL COPING: POSITIVE FOR LEAD

WHITE & RED PAINT ON BIRD HOUSE (METAL AND CONCRETE SUBSTRATE): POSITIVE FOR LEAD

VENT PIPES: POSITIVE FOR LEAD

GREEN/BLACK PAINTED CAULK (SECTION C-ACCESS PANEL BOX): NEGATIVE FOR LEAD

ELEVATOR MACHINE RM EXTERIOR WALLS: NEGATIVE FOR LEAD

BEIGE PAINTED STAIR WELL (SECTION F):NEGATIVE FOR LEAD

BEIGE PAINTED CEILINGS – (SECTION F- STAIRWELL): NEGATIVE FOR LEAD

WHITE PAINTED HVAC BRACKET (SECTION A): NEGATIVE FOR LEAD

### 30-JUN-18 HAZMAT SURVEY RESULTS

INSPECTORS NOTES: (PLEASE SEE ATTACHED IMAGES)

DURING OBSERVATION, THERE WERE LOCATIONS WHERE EXISTING CAULK APPEARED TO BE CROSS CONTAMINATED WITH EXCESS ROOF FLASHING MATERIAL (WHICH TESTED POSITIVE FOR ASBESTOS). FOR THESE REASONS- ANY GRAY, WHITE, BEIGE, CLEAR, AND BROWN CAULK FOUND ON THE ROOF, ON PERIMETER OF DOORS, PERIMETER OF ELEVATOR MACHINE ROOM/STAIR WELL (EXTERIOR), AND/OR ON THE PERIMETER OF METAL FLASHING SHALL BE TREATED AS POSITIVE FOR ASBESTOS. SEE LIST BELOW FOR EXCLUSIONS:

1. (CAULK EXCLUSIONS)-\*\*\*CAULK THAT WILL BE VIEWED AS NEGATIVE FOR ASBESTOS\*\*\*:

- BROWN CAULK ON PERIMETER OF EXTERIOR WINDOWS: NEGATIVE FOR ASEBSTOS

2. THERE ARE VARIOUS ITEMS ON THE ROOF, NOT LIMITED TO :SUPPORT ANCHORS FOR HVAC UNIT, EXHAUST FANS, PITCH POCKETS, VENT PIPES, HVAC UNIT BRACKETS, AND ANY OTHERS THAT HAVE CONTAMINATED ROOFING MATERIAL ON ITS SURFACE. IF THERE ANY PLANS MADE TO DISPOSE ANY OF THE PRESENT ITEMS, CONSIDERATIONS SHALL BE MADE TO DISPOSE OF ANY RESIDUAL ROOFING MATERIAL LEFT ON THESE SURFACES AS ACM.

3. THERE APPEARED TO BE A RUBBER SHEET BELOW ROOF COPINGS THAT LOOKED TO BE MECHANICALLY FASTENED IN PLACE. THE RUBBER SHEET IS NON SUSPECT FOR ASBESTOS. IF ANY ADDITONAL MATERIAL IS ENCOUNTERED DURING REMOVAL OF ROOF COPING, AND ANYWHERE ELSE ON ROOF, PLEASE STOP WORK AND CONTACT USC HAZMAT TO REASSESS.

4. IF A BUILDING MATERIAL IS NOT LISTED, DO NOT ASSUME THAT IT DOES NOT CONTAIN ASBESTOS. IT MAY NOT HAVE BEEN TESTED. FOR FURTHER INFORMATION, PLEASE CONTACT THE USC HAZMAT PROGRAM.

5. 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.

6. PLEASE NOTE THAT THE MATERIAL QUANTITY PROVIDED ON THE FIELD SHEET IS ONLY AN ESTIMATE FOR SAMPLING PURPOSES. THE QUANTITY

SHOULD BE FIELD VERIFIED FOR ALL OTHER PURPOSES INCLUDING ABATEMENT. THIS SURVEY IS ONLY VALID FOR THE DESIGNATED AREA(S)/LOCATION(S) TESTED IE: SECTIONS A, B, C, D, E, F ; WARDLAW COLLEGE (ROOF).

**08-SEP-16 ASBESTOS SUMMARY FOR WARDLAW COLLEGE (080) – SEPTEMBER 2016**

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

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

- JOINT COMPOUND / SHEETROCK (3RD FLOOR ONLY)
- 9X9 FLOOR TILE
- BLACK MASTIC UNDER FLOOR TILE
- RESIDUAL BLACK MASTIC ON FLOORING
- BLACK DUCT MASTIC
- PIPE INSULATION
- BLACK MASTIC ON PIPE INSULATION
- RED FIRE CAULKING

IF A BUILDING MATERIAL IS NOT LISTED, DO NOT ASSUME THAT IT DOES NOT CONTAIN ASBESTOS. IT MAY NOT HAVE BEEN TESTED.

FOR FURTHER INFORMATION, PLEASE CONTACT THE USC HAZMAT PROGRAM.

**08-SEP-16 CRAWL SPACE MAY BE CONTAMINATED WITH ASBESTOS**

THE SOIL IN CRAWL SPACES MAY BE CONTAMINATED WITH ASBESTOS FROM OLD PIPE INSULATION AND OTHER MATERIALS. PLEASE CONTACT THE USC HAZMAT PROGRAM BEFORE ENTERING THESE CRAWL SPACES.



EMSL ANALYTICAL, INC.  
LABORATORY PRODUCTS TRAINING

### Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

4909

Kernersville, NC 27284

PHONE: (336) 992-1025  
FAX: (336) 992-4175

Company Name : University of South Carolina		EMSL Customer ID:	
Street: 743 Greene Street		City: Columbia	State/Province: SC
Zip/Postal Code: 29208	Country: US	Telephone #: 803-917-0291	Fax #: 803-777-3990
Report To (Name): USC HAZMAT Dept		Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
Email Address: asbestos@mailbox.sc.edu		Purchase Order:	
Project Name/Number: 080 Wardlaw College		EMSL Project ID (Internal Use Only):	
U.S. State Samples Taken: SC		CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party			
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input checked="" type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week			
*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 <input type="checkbox"/> Check if samples are from NY <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA		TEM - Air <input type="checkbox"/> 4-4.5hr TAT (AHERA only) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312	
PLM - Bulk (reporting limit) <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"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NYS 198.8 SOF-V <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)		Soil/Rock/Vermiculite <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with milling prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with milling prep (<0.1%) <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> Cincinnati Method EPA 600/R-04/004 - PLM/TEM (BC only)	
<input checked="" type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		Filter Pore Size (Air Samples): <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
Samplers Name: Antonio Thompson		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	SEE FIELD SHEET ATTACHED		
Client Sample # (s):		Total # of Samples: 7	
Relinquished (Client): Antonio Thompson		Date: 7/19/2019	Time: 10:05 AM
Received (Lab):		Date: 7/22/19	Time: 10:15
Comments/Special Instructions: ① EFX 795746004289			



Print Form

Reset Form

4906h



Building # 080 WARDLAW COLLEGE Sample Analysis Date: 7/19/19 Turn Around Time 24 HOUR

Type of Analysis: Lead / Asbestos

Area	Sample ID	Material Sampled	Material Location	F/NF	Cond	Quantity	Pot to Disturb
A	1	STUCCO	EXTERIOR STAIR TOWER WALLS	NF	GOOD	<5000 SQ FT	LOW
A	2	STUCCO	EXTERIOR STAIR TOWER WALLS	NF	GOOD	<5000 SQ FT	LOW
A	3	STUCCO	EXTERIOR STAIR TOWER WALLS	NF	GOOD	<5000 SQ FT	LOW
A	4	STUCCO	EXTERIOR STAIR TOWER WALLS	NF	GOOD	<5000 SQ FT	LOW
A	5	STUCCO	EXTERIOR STAIR TOWER WALLS	NF	GOOD	<5000 SQ FT	LOW
A	6	STUCCO	EXTERIOR STAIR TOWER WALLS	NF	GOOD	<5000 SQ FT	LOW
A	7	STUCCO	EXTERIOR STAIR TOWER WALLS	NF	GOOD	<5000 SQ FT	LOW

License # GR00052 FM# FM00605773 Signature [Signature] Requestor BRANHAM, DALE



# EMSL Analytical, Inc.

706 Gralin Street Kernersville, NC 27284

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

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

EMSL Order: 021904909

Customer ID: UNSC62

Customer PO: 2000041931

Project ID:

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

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

**Fax:** (803) 777-3990

**Received Date:** 07/22/2019 10:15 AM

**Analysis Date:** 07/22/2019

**Collected Date:** 07/19/2019

**Project:** 080 Wardlaw College

## 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 021904909-0001	Stucco	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	25% Quartz 20% Ca Carbonate 55% Non-fibrous (Other)	None Detected
2 021904909-0002	Stucco	Gray Non-Fibrous Homogeneous	<1% Cellulose	30% Quartz 20% Ca Carbonate 50% Non-fibrous (Other)	None Detected
3 021904909-0003	Stucco	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
4 021904909-0004	Stucco	Gray Non-Fibrous Homogeneous	<1% Cellulose	30% Quartz 20% Ca Carbonate 50% Non-fibrous (Other)	None Detected
5 021904909-0005	Stucco	Gray Non-Fibrous Homogeneous	<1% Cellulose	30% Quartz 20% Ca Carbonate 50% Non-fibrous (Other)	None Detected
6 021904909-0006	Stucco	Gray/White Non-Fibrous Homogeneous	<1% Cellulose	30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
7 021904909-0007	Stucco	Gray Non-Fibrous Homogeneous	<1% Cellulose	30% Quartz 20% Ca Carbonate 50% Non-fibrous (Other)	None Detected

Analyst(s)

Cameron Evans (5)

Ryan Rains (2)

Stephen Bennett, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, 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. All samples received in acceptable condition unless otherwise noted. 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

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: 07/22/2019 17:16:39

SE-330 LUMP SUM BID FORM (Addendum No. 1)

**SE-330****LUMP SUM BID FORM (ADDENDUM NO. 1)**

*Bidders shall submit bids on only Bid Form SE-330.*

**BID SUBMITTED BY:** \_\_\_\_\_  
(Bidder's Name)

**BID SUBMITTED TO:** University of South Carolina  
(Owner's Name)

**FOR: PROJECT NAME:** Wardlaw College Roof Replacement - RE-BID  
**PROJECT NUMBER:** 50003317-2

**OFFER**

§ 1. In response to the Invitation for Construction Services and in compliance with the Instructions to Bidders for the above-named Project, the undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into a Contract with the Owner on the terms included in the Bidding Documents, and to perform all Work as specified or indicated in the Bidding Documents, for the prices and within the time frames indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

§ 2. Pursuant to SC Code § 11-35-3030(1), Bidder has submitted Bid Security as follows in the amount and form required by the Bidding Documents:

Bid Bond with Power of Attorney       Electronic Bid Bond       Cashier's Check

(Bidder check one)

§ 3. Bidder acknowledges the receipt of the following Addenda to the Bidding Documents and has incorporated the effects of said Addenda into this Bid:

(Bidder, check all that apply. Note, there may be more boxes than actual addenda. Do not check boxes that do not apply)

**ADDENDA:**       #1       #2       #3       #4       #5

§ 4. Bidder accepts all terms and conditions of the Invitation for Bids, including, without limitation, those dealing with the disposition of Bid Security. Bidder agrees that this Bid, including all Bid Alternates, if any, may not be revoked or withdrawn after the opening of bids, and shall remain open for acceptance for a period of **60** Days following the Bid Date, or for such longer period of time that Bidder may agree to in writing upon request of the Owner.

§ 5. Bidder herewith offers to provide all labor, materials, equipment, tools of trades and labor, accessories, appliances, warranties and guarantees, and to pay all royalties, fees, permits, licenses and applicable taxes necessary to complete the following items of construction work:

§ 6.1 **BASE BID WORK** (as indicated in the Bidding Documents and generally described as follows): The reroofing of roof areas A, B, C1, C2, C3, C4, D, E and F. Installation of new wall panels, window perimeter sealant, retrofit roof drains, sheet metal work and any other miscellaneous items specified herein.

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

(Bidder to insert Base Bid Amount on line above)

**SE-330**  
**LUMP SUM BID FORM (ADDENDUM NO. 1)**

*Bidders shall submit bids on only Bid Form SE-330.*

§ 6.2 **BID ALTERNATES** as indicated in the Bidding Documents and generally described as follows:

**ALTERNATE # 1** (Brief Description): Install roofing system utilizing foam and cold-applied adhesives in lieu of hot-applied asphalt.

**ADD TO** or  **DEDUCT FROM BASE BID: \$** \_\_\_\_\_

*(Bidder to mark appropriate box to clearly indicate the price adjustment offered for each Alternate)*

**ALTERNATE # 2** (Brief Description): Removal and replacement of the exterior stucco cladding at the walls of Roof Area F.

**ADD TO** or  **DEDUCT FROM BASE BID: \$** \_\_\_\_\_

*(Bidder to mark appropriate box to clearly indicate the price adjustment offered for each Alternate)*

**ALTERNATE # 3** (Brief Description): Install roofing system utilizing insulation adhesive and torch applied application in lieu of hot asphalt.

**ADD TO** or  **DEDUCT FROM BASE BID: \$** \_\_\_\_\_

*(Bidder to mark appropriate box to clearly indicate the price adjustment offered for each Alternate)*

§ 6.3 **UNIT PRICES:**

**BIDDER** offers for the Agency’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 Agency, including those for materials, labor, equipment, tools of trades and labor, fees, taxes, insurance, bonding, overhead, profit, etc. The Agency 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** prior to including in the Contract.

<b>No.</b>	<b>ITEM</b>	<b>UNIT OF MEASURE</b>	<b>ADD</b>	<b>DEDUCT</b>
<u>1.</u>	<u>Repair rusted metal deck</u>	<u>sq. ft.</u>	<u>\$</u>	<u>\$</u>
<u>2.</u>	<u>Repair deteriorated metal deck</u>	<u>sq. ft.</u>	<u>\$</u>	<u>\$</u>
<u>3.</u>	<u>Replace metal deck</u>	<u>sq. ft.</u>	<u>\$</u>	<u>\$</u>
<u>4.</u>	<u>Secure metal deck sidelaps</u>	<u>fastener</u>	<u>\$</u>	<u>\$</u>
<u>5.</u>	<u>Secure metal deck to structural framing</u>	<u>fastener</u>	<u>\$</u>	<u>\$</u>
<u>6.</u>	<u>Replace damaged/deteriorated wood blocking</u>	<u>bd. ft.</u>	<u>\$</u>	<u>\$</u>

**SE-330**  
**LUMP SUM BID FORM (ADDENDUM NO. 1)**

**§ 7. LISTING OF PROPOSED SUBCONTRACTORS PURSUANT TO SECTION 3020(b)(i), CHAPTER 35, TITLE 11 OF THE SOUTH CAROLINA CODE OF LAWS, AS AMENDED**  
*(See Instructions on the following page BF-2A)*

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

<b>(A)</b> <b>SUBCONTRACTOR</b> <b>LICENSE CLASSIFICATION</b> <b>or SUBCLASSIFICATION</b> <b>NAME</b> <i>(Completed by Owner)</i>	<b>(B)</b> <b>LICENSE</b> <b>CLASSIFICATION or</b> <b>SUBCLASSIFICATION</b> <b>ABBREVIATION</b> <i>(Completed by Owner)</i>	<b>(C)</b> <b>SUBCONTRACTOR and/or</b> <b>PRIME CONTRACTOR</b> <i>(Required - must be completed by Bidder)</i>	<b>(D)</b> <b>SUBCONTRACTOR'S</b> <b>and/or</b> <b>PRIME CONTRACTOR'S</b> <b>SC LICENSE NUMBER</b> <i>(Requested, but not Required)</i>
<b>BASE BID</b>			
S (Roofing)	SR5		
Building	BD5		
<b>ALTERNATE #1</b>			
S (Roofing)	SR5		
Building	BD5		
<b>ALTERNATE #2</b>			
Building	BD5		
<b>ALTERNATE #3</b>			
S (Roofing)	SR5		

If a Bid Alternate is accepted, Subcontractors listed for the Bid Alternate shall be used for the work of both the Alternate and the Base Bid work.

**SE-330**  
**LUMP SUM BID FORM (ADDENDUM NO. 1)**

**INSTRUCTIONS FOR  
 SUBCONTRACTOR LISTING**

1. Section 7 of the Bid Form sets forth an Owner-developed list of subcontractor license classifications or subclassifications for which Bidder is required to identify the entity (subcontractor(s) and/or himself) Bidder will use to perform this work.
  - a. **Columns A & B:** The Owner fills out these columns to identify the subcontractor license classification/subclassification and related license abbreviation for which the Bidder must list either a subcontractor or himself as the entity that will perform this work. In Column A, the subcontractor license classification/subclassification is identified by name and in Column B, the related contractor license abbreviation (per Title 40 of the SC Code of Laws) is listed. Abbreviations of licenses can be found at: <https://lr.sc.gov/clb/PDFFiles/CLBClassificationAbbreviations.pdf>. If the owner has not identified a subcontractor license classification/subclassification, the Bidder does not list a subcontractor.
  - b. **Columns C and D:** In these columns, the Bidder identifies the subcontractors it will use for the work of each license listed by the Owner in Columns A & B. Bidder must identify only the subcontractor(s) who will perform the work and no others. Bidders must make sure that their identification of each subcontractor is clear and unambiguous. A listing that could be any number of different entities may be cause for rejection of the bid as non-responsive. For example, a listing of M&M without additional information may be problematic if there are multiple different licensed contractors in South Carolina whose names start with M&M.
2. **Subcontractor Defined:** For purposes of subcontractor listing, a subcontractor is an entity who will perform work or render service to the prime contractor to or about the construction site pursuant to a contract with the prime contractor. Bidder should not identify sub-subcontractors in the spaces provided on the bid form but only those entities with which Bidder will contract directly. Likewise, do not identify material suppliers, manufacturers, and fabricators that will not perform physical work at the site of the project but will only supply materials or equipment to the Bidder or proposed subcontractor(s).
3. **Subcontractor Qualifications:** Bidder must only list subcontractors who possess a South Carolina contractor's license that includes the license classification and/or subclassification identified by the Owner in Columns A & B. The subcontractor license must also be within the appropriate license group for the work. If Bidder lists a subcontractor who is not qualified to perform the work, the Bidder will be rejected as non-responsible.
4. **Use of Own forces:** If, under the terms of the Bidding Documents and SC Contractor Licensing laws, Bidder is qualified to perform the work of a listed subcontractor classification or subclassification and Bidder does not intend to subcontract such work but to use Bidder's own employees to perform such work, the Bidder must insert itself in the space provided.
5. **Use of Multiple Subcontractors:**
  - a. If Bidder intends to use multiple subcontractors to perform the work of a single license classification/subclassification, 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 license classification/subclassification and to use one or more subcontractors to perform the remaining work, Bidder must insert itself and each subcontractor, preferably separating them with the word **"and"**. Bidder must use each entity listed for the work of a single license classification/subclassification in the performance of that work.
  - b. **Optional Listing Prohibited:** Bidder may not list multiple subcontractors for a license classification/subclassification in a form that provides the Bidder the option, after bid opening or award, to choose one or more but not all the listed subcontractors to perform the work for which they are listed. A listing, which on its face requires subsequent explanation to determine whether it is an optional listing, is non-responsive. If Bidder intends to use multiple entities to perform the work for a single listing, Bidder must clearly set forth on the bid form such intent. Bidder may accomplish this by simply inserting the word **"and"** between the names of each entity listed. Agency will reject as non-responsive a listing that contains the names of multiple subcontractors separated by a blank space, the word **"or"**, a virgule (that is a /), or any separator that the Agency may reasonably interpret as an optional listing.
6. If Bidder is awarded the contract, Bidder must, except with the approval of the Agency for good cause shown, use the listed entities to perform the work for which they are listed.
7. If Bidder is awarded the contract, Bidder will not be allowed to substitute another entity as subcontractor in place of a subcontractor listed in Section 7 of the Bid except for one or more of the reasons allowed by the SC Code of Laws.
8. Bidder's failure to identify an entity (subcontractor or himself) to perform the work of a subcontractor listed in Columns A & B will render the Bid non-responsive.

## SE-330 LUMP SUM BID FORM (ADDENDUM NO. 1)

### § 8. LIST OF MANUFACTURERS, MATERIAL SUPPLIERS, AND SUBCONTRACTORS OTHER THAN SUBCONTRACTORS LISTED IN SECTION 7 ABOVE (*FOR INFORMATION ONLY*):

Pursuant to instructions in the Invitation for Construction Services, if any, Bidder will provide to Owner upon the Owner's request and within 24 hours of such request, a listing of manufacturers, material suppliers, and subcontractors, other than those listed in Section 7 above, that Bidder intends to use on the project. Bidder acknowledges and agrees that this list is provided for purposes of determining responsibility and not pursuant to the subcontractor listing requirements of SC Code § 11-35-3020(b)(i).

### § 9. TIME OF CONTRACT PERFORMANCE AND LIQUIDATED DAMAGES

#### a) CONTRACT TIME

Bidder agrees that the Date of Commencement of the Work shall be established in a Notice to Proceed to be issued by the Owner. Bidder agrees to substantially complete the Work within 150 Calendar Days from the Date of Commencement, subject to adjustments as provided in the Contract Documents.

#### b) LIQUIDATED DAMAGES

Bidder further agrees that from the compensation to be paid, the Owner shall retain as Liquidated Damages the amount of \$ 250.00 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 amount is intended by the parties as the predetermined measure of compensation for actual damages, not as a penalty for nonperformance.

### § 10. AGREEMENTS

- a) Bidder agrees that this bid is subject to the requirements of the laws of the State of South Carolina.
- b) Bidder agrees that at any time prior to the issuance of the Notice to Proceed for this Project, this Project may be canceled for the convenience of, and without cost to, the State.
- c) Bidder agrees that neither the State of South Carolina nor any of its agencies, employees or agents shall be responsible for any bid preparation costs, or any costs or charges of any type, should all bids be rejected or the Project canceled for any reason prior to the issuance of the Notice to Proceed.

### § 11. ELECTRONIC BID BOND

By signing below, the Principal is affirming that the identified electronic bid bond has been executed and that the Principal and Surety are firmly bound unto the State of South Carolina under the terms and conditions of the AIA Document A310, Bid Bond, included in the Bidding Documents.

**ELECTRONIC BID BOND NUMBER:** \_\_\_\_\_

**SIGNATURE AND TITLE:** \_\_\_\_\_



**SE-330  
LUMP SUM BID FORM (ADDENDUM NO. 1)**

**CONTRACTOR'S CLASSIFICATIONS AND SUBCLASSIFICATIONS WITH LIMITATION**

**SC Contractor's License Number(s):** \_\_\_\_\_

**Classification(s) & Limits:** \_\_\_\_\_

**Subclassification(s) & Limits:** \_\_\_\_\_

**By signing this Bid, the person signing reaffirms all representation and certification made by both the person signing and the Bidder, including without limitation, those appearing in Article 2 of the SCOSE Version of the AIA Document A701, Instructions to Bidders, is expressly incorporated by reference.**

**BIDDER'S LEGAL NAME:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

\_\_\_\_\_

**TELEPHONE:** \_\_\_\_\_

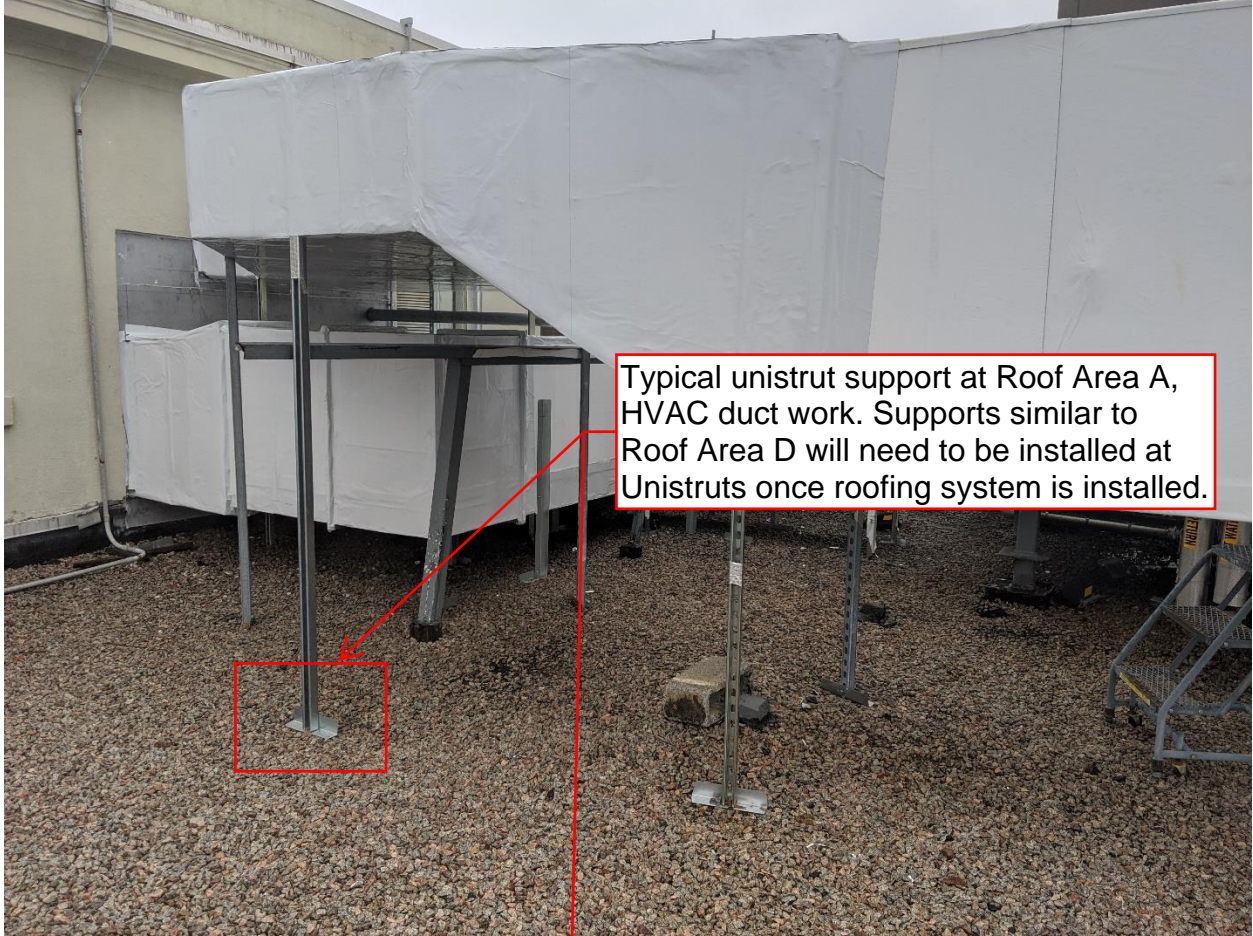
**EMAIL:** \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

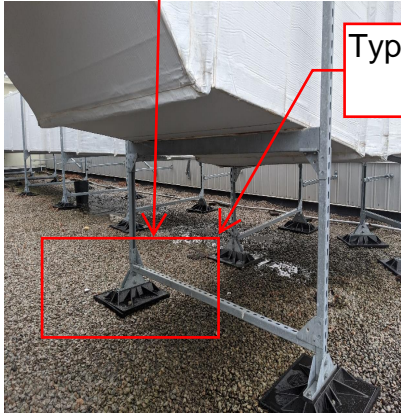
**PRINT NAME:** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

## Unistrut Photographs



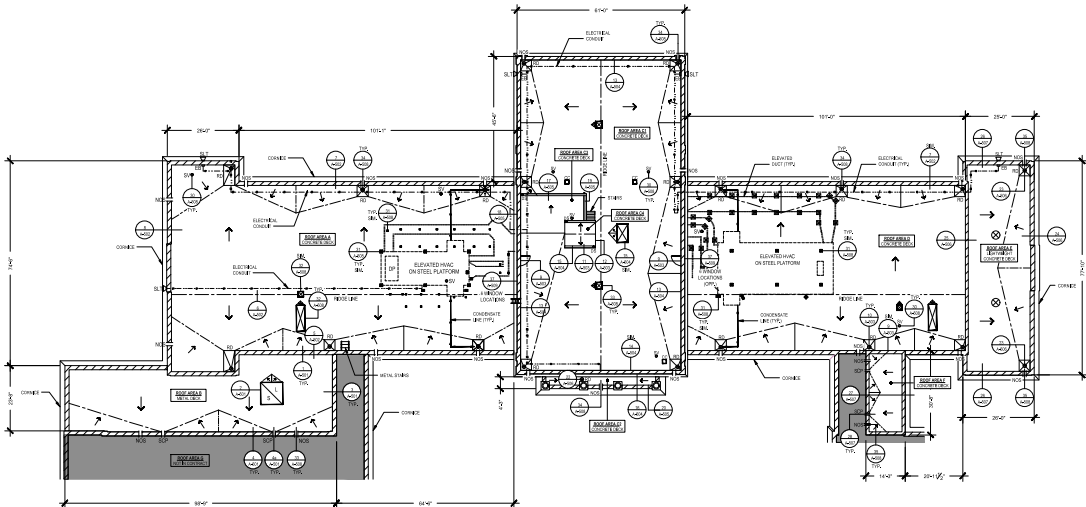
Typical unistrut support at Roof Area A, HVAC duct work. Supports similar to Roof Area D will need to be installed at Unistruts once roofing system is installed.



Typical unistrut support at Roof Area D.

DRAWINGS G-101, A-101, A-102, A-103 (Addendum 1)

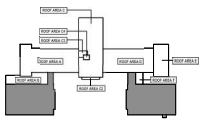




1 WARDLAW COLLEGE ROOF PLAN  
SCALE 1/8"=1'-0"

**KEY PLAN**

- SCOPE OF WORK
- ▨ NOT IN SCOPE OF WORK



**BASE BID:**

1. RE-ROOFING OF ROOF AREAS A, B, C1, C2, C3, C4, D, E AND F
  - a. LOW SLOPE ROOF AREAS TO RECEIVE NEW TWO-LYER MODIFIED BITUMEN ROOFING SYSTEM.
  - b. ROOF AREA C2 TO RECEIVE LIQUID PMMA ROOFING SYSTEM.
2. COATING OF VENTS (BIRHOUSES) AT ROOF AREAS A, C, AND D.
3. WALL PANEL INSTALLATION AT AREAS A, C, D, AND E.
4. SEALANT INSTALLATION AT WINDOW PERIMETER.
5. MISCELLANEOUS WORK INCLUDES, BUT IS NOT LIMITED, TO THE INSTALLATION OF EXTERIOR METAL COPING, NEW OVERFLOW SCUPPERS, RETROFIT ROOF DOWNS, GUTTERS, DOORS, DOWNSPOUTS, AND FLASHING.
6. REMOVE AND REPLACE STUCCO (TO MATCH EXISTING) AT ROOF AREA F.

**ALTERNATE No.1:  
(TYPICAL ON ALL SHEETS)**

1. INSTALL ROOFING SYSTEM UTILIZING INSULATION ADHESIVE AND COLD APPLIED ADHESIVE IN LINES OF HOT-APPLIED ASPHALT.

**ALTERNATE No.2:**

1. REMOVE AND REPLACEMENT OF THE EXTERIOR STUCCO CLADDING AT THE WALLS OF ROOF AREA F.

**ALTERNATE No.3:**

1. INSTALL ROOFING SYSTEM UTILIZING INSULATION ADHESIVE AND TORCH-APPLIED APPLICATION (BUBBLE) OF HOT ASPHALT.

**LEGEND**

- TAPERED INSULATION
- TAPERED SLOPE DIRECTION
- STRUCTURAL SLOPE
- ROB ROOF DRAIN
- SVB SANITARY VENT
- EQV EQUIPMENT UNIT
- PARAPET WALL CORNICE
- ELEVATED DUCT
- SCP SCUPPER
- SKY SKYLIGHT
- EQS EQUIPMENT SUPPORT
- CC COVERED CURB
- SLT SECURITY LIGHT
- EB ELECTRICAL BOX
- NOS NEW OVERFLOW SCUPPER
- GD GUTTER DOWNSPOUT
- DP DUCT SUPPORT PEDESTAL
- DETAIL FLAG No. #
- ▨ NOT IN CONTRACT

**CONSTRUCTION NOTES**

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS.
2. ELECTRICAL CONDUITS, BOXES, OUTLET AND CABLES MAY REQUIRE PRIOR TO BE DISCONNECTED PRIOR TO PERFORMING THE WORK. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO REMOVAL.
3. ABANDONED EQUIPMENT TRUSSES AND POURABLE SEALER SHOULD BE REMOVED AND DISCARDED.
4. RAISE ALL CURBS TO ACHIEVE AN 8" MINIMUM FLASHING HEIGHT.
5. CLEAN, PRIME AND PAINT BRD HOUSES AT ROOF AREAS A, C AND D.
6. STAIRS AT ROOF AREA C3 WILL NEED TO BE REMOVED AND REINSTALLED ONCE NEW ROOF INSTALLATIONS COMPLETED.
7. ALL EQUIPMENT SUPPORTS AND PIPE PENETRATIONS ARE TO BE LIQUID FLASHED.
8. EXISTING DRAIN INSERTS WILL NEED TO BE REMOVED AT ALL DRAINS TO ALLOW FOR NEW RETROFIT INSERT.
9. MECHANICAL UNIT STRUTS THAT ARE ATTACHED TO PARAPET WALL WILL NEED TO BE REMOVED, STORED AND REINSTALLED ONCE NEW ROOFING IS COMPLETED. STRUTS TO BE FLASHED WITH NEW LIQUID APPLIED FLASHING.
10. NEW CONCRETE PAD AND DOORS TO BE INSTALLED AT ROOF AREAS A AND D.
11. BASE FLASHING HEIGHTS WILL VARY AT SECTIONS WHERE WALL METAL PANELS ARE TO HAVE CONSISTENT HEIGHT.
12. ROOF AREA C2 WILL NEED CONCRETE REPAIR WORK AT WALLS TO COMPLETE NEW ROOFING INSTALLATION.
13. FULL TEST AT LIGHTWEIGHT CONCRETE DECK SHOULD BE CONDUCTED PRIOR TO NEW ROOFING INSTALLATION.
14. CRACKS SHOULD BE INSTALLED AT ALL CURBS THAT EXCEED 24" INCHES IN WIDTH.
15. CONTRACTOR TO REMOVE AND INSTALL NEW COPING CAP AT ROOF AREA G TO ACCOMMODATE NEW PARAPET WALL HEIGHT AT ROOF AREA B.
16. PROVIDE SUPPORTS FOR ALL CONDUIT, PIPES AND CONDENSATION LINES. ALL SUPPORTS SHOULD BE SET ON WALKPADS.
17. ON ANY ROOF AREA THAT A DOWNSPOUT IS TO BE INSTALLED, THE DOWNSPOUT SHOULD EXTEND TO THE NEAREST ROOF DRAIN AND BE SUPPORTED. SUPPORTS SHOULD BE INSTALLED OVER WALKPADS.



PROJECT NAME AND ADDRESS

**RE-BID WARDLAW COLLEGE  
ROOF REPLACEMENT PROJECT RE-BID  
STATE PROJECT No.: 50003317-2**

ISSUE DATE  
**03.11.2020**

ISSUED FOR RE-BIDDING

APPENDIX	DATE	DESCRIPTION
1	03/10/20	APPENDIX No. 1

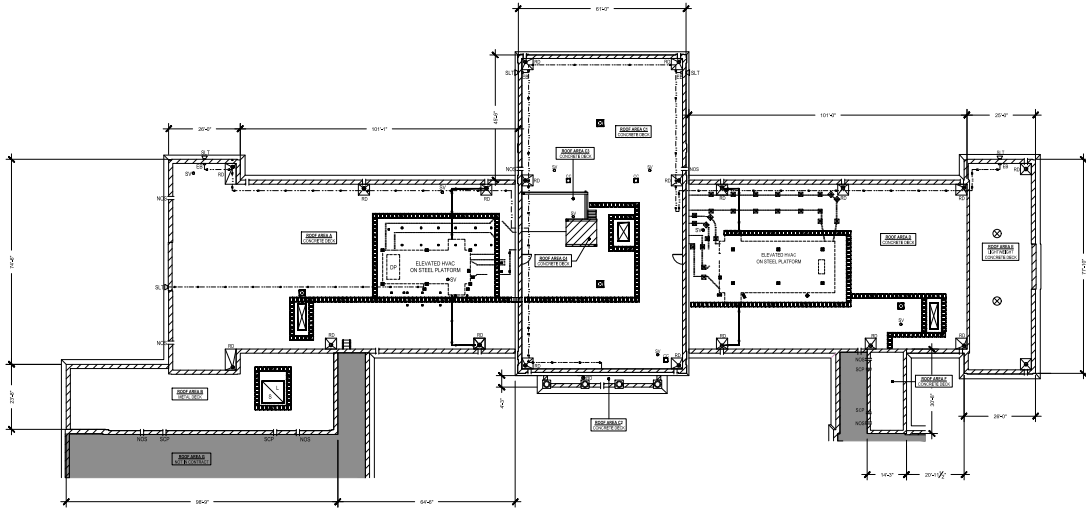
PROJECT TEAM:  
 PREPARED BY: SSS  
 CHECKED BY: SCM II  
 DESIGNED BY: LCH  
 APPROVED PROJECT MANAGER: PH186084

SHEET  
**ROOF PLAN**

SHEET NUMBER:

**A-101**

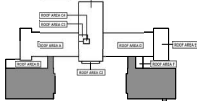




1 WARDLAW COLLEGE WALKPAD LAYOUT PLAN  
2014-11-19

**KEY PLAN**

- ▭ SCOPE OF WORK
- ▭ NOT IN SCOPE OF WORK



**LEGEND**

- NEW WALKPADS
- ROOF DRAIN
- SANITARY VENT
- EQUIPMENT UNIT
- PANEL WALL/CORNER
- ELEVATED DUCT
- SCUPPER
- SKYLIGHT
- EQUIPMENT SUPPORT
- VENTILATOR
- COVERED CURB
- SECURITY LIGHT
- ELECTRICAL BOX
- NEW OVERFLOW SCUPPER
- GUTTER/DOWNSPOUT
- DUCT SUPPORT PEDESTAL
- NOT IN CONTRACT

**CONSTRUCTION NOTES**

1. PROVIDE SUPPORTS FOR ALL CONDUIT, PIPES, AND CONDENSATION LINES. ALL SUPPORTS SHOULD BE SET ON WALKPADS.
2. ON ANY ROOF AREA THAT A DOWNSPOUT IS TO BE INSTALLED, THE DOWNSPOUT SHOULD EXTEND TO THE NEAREST ROOF DRAIN AND BE SUPPORTED. SUPPORTS SHOULD BE INSTALLED OVER WALKPADS.

- BASE BID:**
1. RE-ROOFING OF ROOF AREAS A, B, C1, C2, C3, C4, D, E, AND F
    - a. LOW SLOPE ROOF AREAS TO RECEIVE NEW TWOLY LAYERED SFB/SM/ROOFING SYSTEM.
    - b. ROOF AREA C2 TO RECEIVE LIQUID PMMA ROOFING SYSTEM.
  2. COATING OF VENTS (BRICKHOUSES) AT ROOF AREAS A, C, D, AND E.
  3. WALL PANEL INSTALLATION AT AREAS A, C, D, AND E.
  4. SEALANT INSTALLATION AT WINDOW PERIMETER.
  5. MISCELLANEOUS WORK INCLUDES, BUT IS NOT LIMITED TO, THE INSTALLATION OF EDGE METAL, COING NEW OVERFLOW SCUPPERS, RETIROFF ROOF DRAINS, GUTTERS, DOORS, DOWNSPOUTS, AND FLASHING.
  6. REMOVE AND REPLACE STUCCO (TO MATCH EXISTING) AT ROOF AREA F.

**ALTERNATE No.1:  
(TYPICAL ON ALL SHEETS)**

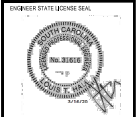
1. INSTALL ROOFING SYSTEM UTILING INSULATION ADHESIVE, AND COLD APPLIED ADHESIVE IN LIEU OF HOT-APPLIED ASPHALT.

**ALTERNATE No.2:**

1. REMOVAL AND REPLACEMENT OF THE EXTERIOR STUCCO CLADDING AT THE WALLS OF ROOF AREA F.

**ALTERNATE No.3:**

1. INSTALL ROOFING SYSTEM UTILING INSULATION ADHESIVE AND TACK-APPLIED ADHESIVE IN LIEU OF HOT ASPHALT.



PROJECT NAME AND ADDRESS

**RE-BID WARDLAW COLLEGE  
ROOF REPLACEMENT PROJECT RE-BID  
STATE PROJECT No.: 50003317-2**

Project Address:  
822 South Main Street  
Culver City, California 90230

ISSUE DATE:  
**03.11.2020**

ISSUE FOR:  
**ISSUED FOR RE-BIDDING**

ACCORDIAN	DATE	ISSUE BY/TEAM
△	03/10/20	ACCORDIAN N.J.

PROJECT TEAM:  
 CREW MEMBER: SSS  
 DRAWN BY: EGM II  
 APPROVED BY: LTH

TERRACON'S PROJECT NUMBER:  
**FH186084**

TITLE SHEET:  
**ROOF PLAN:  
WALKPAD LAYOUT PLAN**

SHEET NUMBER:  
**A-103**



## Prebid Sign In Sheets



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

Project Name:  
Project Number:  
Pre Bid Date & Time:

Wardlaw College Roof Replacement - RE-BID  
50003317-2  
3/3/2020 at 10:00 A.M.

SWMBE Contractor?	Name	Company Name	Address	Phone #	Email	License Number
S W M B E	Ty Russell	USC		240 2492	trusse@finc.sc.edu	
S W M B E	Antonio Thompson	USC		977-3963	Thomp895@Mailbox.sc.edu	
S W M B E	MFSwain Miles	Roofco	1345 N. Pike East. Sumter SC. 29150	775-8560	roofco@scirr.com	
S W M B E	Terry Land	Land Roofing Co	208 Penn St Sumter SC 29150	803-968-7200	Land roofing company & general contractor	
S W M B E	Kristen Moss	USC	1600 Hampton St	803-777-5253		
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\*\*\*\*By signing this sheet you agree to receive information electronically.





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

Project Name:  
Project Number:  
Pre Bid Date & Time:

Wardlaw College Roof Replacement - RE-BID  
50003317-2  
3/3/2020 at 10:00 A.M.

SWMBE Contractor?	Name	Company Name	Address	Phone #	Email	License Number
S W M B E	Rob Cimballer	WNC Roofing	563 Mills Gap Rd Fletcher NC	864-466-6285	rob@wncroofing.com	
S W M B E	Will Fort	BONE DRY RPO	7271 SPA ROAD, N. CHARLESTON, S.C.		WFORTE@BONEDRYROOFINGCO.NET	803-983-0643
S W M B E	David Newby	AAR NC	655 Peddyard Rd Kernersville, NC	336 727-4534	AAR Estimators @ aarnc.com	
S W M B E	EDWARD PALMER	NEO CORPORATION	289 Silkwood DR, Camm NC	828-214-9379	epalmer@neocorp.net	
S W M B E	DALE BRAUN	HSC		803.777.1239	BRAUNDA@FMC.SC.EDU	
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\*\*\*\*By signing this sheet you agree to receive information electronically.