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Project: Specifications for UNC MEMORIAL HALL
114 E CAMERON AVE
CHAPEL HILL, NORTH CAROLINA 27514
ROOF REPLACEMENT PROJECT
SCO ID NO. 22-25151-01A

Agency: The University of North Carolina at Chapel Hill

Designer: Terracon Consultants, Inc.

Project No. FJ226041

Date: February 28, 2024

ADDENDUM NO. 1

The project manual entitled: "Specifications for UNC Memorial Hall, 114 E. Cameron Ave, Chapel Hill, North Carolina 27514, Roof Replacement Project, SCO ID NO. 22-25151-01A" are amended as follows:

GENERAL

1. Refer to attached "PRELIMINARY STAGING PLAN" aerial image.
2. The Pre-bid meeting minutes are hereby incorporated into this Addendum.

SECTION 011000 – GENERAL INFORMATION

1. Paragraph 1.3.E is amended as follows: Delete reference to Areas 5 and 8 in Alternate No. 1.
2. ADD Paragraph 1.3.G as follows:

Work under Alternate No. 3 is on Areas 5 and 8 and generally consists of the complete removal of all existing roofing membrane, insulation, flashings, metal flashing, coping caps and the installation of a new PVC/KEE membrane, cover board, tapered (where indicated on plans) and base insulation, temporary roof membrane, gypsum underlayment, flashings, metal flashings, fluid applied flashings, coping caps, new drain extensions where required, and all associated miscellaneous work as specified herein.

3. ADD Paragraph 1.3.H as follows:

Work under Alternate No. 4 is on Area 1 and generally consists of installing a mechanically attached base sheet over the Pyrofill gypsum deck PRIOR to the installation of the temporary roof membrane.

4. Reference Paragraph 1.4.B.10: Delete the following words, " pyrofill gypsum deck" and replace with he following: "Pyrobar gypsum plank deck".

5. Reference Paragraph 1.4.C.1: Delete the following words, "Area 3" and replace with the following words, "Areas 1 and 3".
6. Reference Paragraph 1.4.C.3: Delete the following words, " pyrofill gypsum deck" and replace with he following: "Pyrobar gypsum plank deck".

SECTION 012300 – ALTERNATES

1. Reference Paragraph 3.1.A.1 as follows: Delete reference to Roof Areas 5 and 8.
2. Reference Paragraph 3.1.A.2 as follows: : Delete the following words, "forty-five (45)" and replace with he following: "thirty (30)".
3. Add Section 3.1.C as follows:
 - C. Add Alternate No. 3:
 1. Replace Roof Areas 5 and 8 as noted herein.
 2. In the event Alternate No. 3 is accepted, the contract time will be increased by fourteen (14) calendar days.
4. Add Section 3.1.D as follows:
 - D. Add Alternate No. 4:
 1. Install base sheet over Roof Area 1 as noted herein.
 2. In the event Alternate No. 4 is accepted, the contract time will be increased by seven (7) calendar days.

SECTION 012700 – UNIT PRICES

1. Clarification: Reference Paragraph 3.1.H.2: The unit of measure represents all of the plywood required to be installed at Roof A for the entire roof area.

SECTION 017330 – ASBESTOS PRODUCTS

1. Clarification: The roof areas designated in the Roof asbestos report in the specification did not match roof area designation on the project drawings. These have been corrected and pages are replaced below.
2. Delete pages 1, 2, and 4 of the Asbestos Report (pages 017330-7, 017330-8, and 017330-10) and replace with the attached pages.
3. Delete Appendix A, page A-1 of the Asbestos Report (page 017330-12) and replace with the attached page.

4. Delete Appendix B, pages B-1 through B-4 of the Asbestos Report (pages 017330-14 through 017330-17) and replace with the attached pages.
5. Delete Appendix D, pages F-1 through F-2 of the Asbestos Report (pages 017330-36 through 017330-37) and replace with the attached pages.
6. Delete Appendix E, page E-1 of the Asbestos Report (page 017330-39) and replace with the attached page.

SECTION 070000 – ROOFING PREPARATION

1. Add Paragraph 2.10 as follows:

2.10 ROOF HATCH

- A. Roof Hatch: Factory-assembled stainless steel frame and cover, complete with operating and release hardware.
 1. Style: Provide flat metal covers unless otherwise indicated.
 2. Mounting: Provide frames and curbs suitable for mounting conditions as indicated on drawings.
 3. Thermally Broken Hatches: Provide insulation within frame and cover.
 4. Size: to match existing; single-leaf style unless otherwise indicated.
 5. Stair: Single leaf; to match width of stairs and extend from hatch to surface of roof area 1.
 6. Railing: Composed of materials consistent with the stairs and mounted to stairs.
- B. Frames and Curbs: One-piece curb and frame with integral cap flashing to receive roof flashings; extended bottom flange to suit mounting.
 1. Insulation: Manufacturer's standard; 1 inch (25 mm) rigid glass fiber, located on outside face of curb.
- C. Metal Covers: Flush, insulated, hollow metal construction.
 1. Capable of supporting 40 psf (1.92 kPa) live load.
 2. Insulation: Manufacturer's standard 1 inch (25 mm) rigid glass fiber.
 3. Gasket: Neoprene, continuous around cover perimeter.

2. Add Paragraph 3.10 as follows:

3.10 ROOF HATCH INSTALLATION

- A. At Area 8, remove the existing roof hatch, rotate the hatch 180°, and reinstall the roof hatch.
- B. At Area A, remove the existing roof hatch and curb and discard.
 1. Install new roof hatch in accordance with manufacturer's instructions, in manner that maintains roofing system weather-tight integrity.
 2. Install new roof hatch with hinges on side closest to Area 4.
 3. Provide new handrail and stair down to Area 1.

SECTION 074113 – METAL ROOF PANELS

1. Add Paragraph 3.3.D.1 as follows:

Secure the plywood to the existing gypsum plank deck with toggle bolts and plates, as recommended by the metal roofing manufacturer.

SECTION 074500 – THERMOPLASTIC MEMBRANE ROOFING

1. Add Paragraph 1.2.A.6 as follows:

Base sheet.

2. Reference Paragraph 2.3.A.1: After “fiber reinforced” add the following words, “or Type III, fabric reinforced,”.
3. Add Paragraph 2.7.D as follows:

Gypsum Plank Roofing Nails: 1-½ inch hardened steel with 3/8 inch diameter head, installed through 1-3/16 inch diameter plates.

4. Add Section 3.12 as follows:

3.12 BASE SHEET APPLICATION (Alternate No. 4)

- A. Install new base sheet over gypsum plank deck at Area 1 as specified herein, prior to the installation of the temporary membrane.
- B. Clean deck surfaces of all dirt, dust and other foreign matter.
- C. Starting at low points in roof, apply one ply of fiber glass base sheet perpendicular to slope, lapped at least 4 inches at sides and 6 inches at ends.
- D. Fasten base sheet through center of sheet in two staggered rows spaced approximately 11 inches apart and through laps with specified or approved fasteners, based upon pull test results.

FORM OF PROPOSAL

1. Delete the Form of Proposal and replace with the attached Form of Proposal – Addendum No. 1.

FORM OF CONSTRUCTION CONTRACT

1. Delete the Form of Construction Contract and replace with the attached Form of Construction Contract – Addendum No. 1.



Bidder must acknowledge receipt of the Addendum in the box(es) provided on the Bid Form. Failure to acknowledge may be grounds for rejection of the bid. Nothing herein is to be interpreted or construed as changing any provisions of the specifications except as specifically stated herein.

END OF ADDENDUM

PRELIMINARY STAGING PLAN

Area closed to pedestrians for Alternate work

Gate

Overhead protection

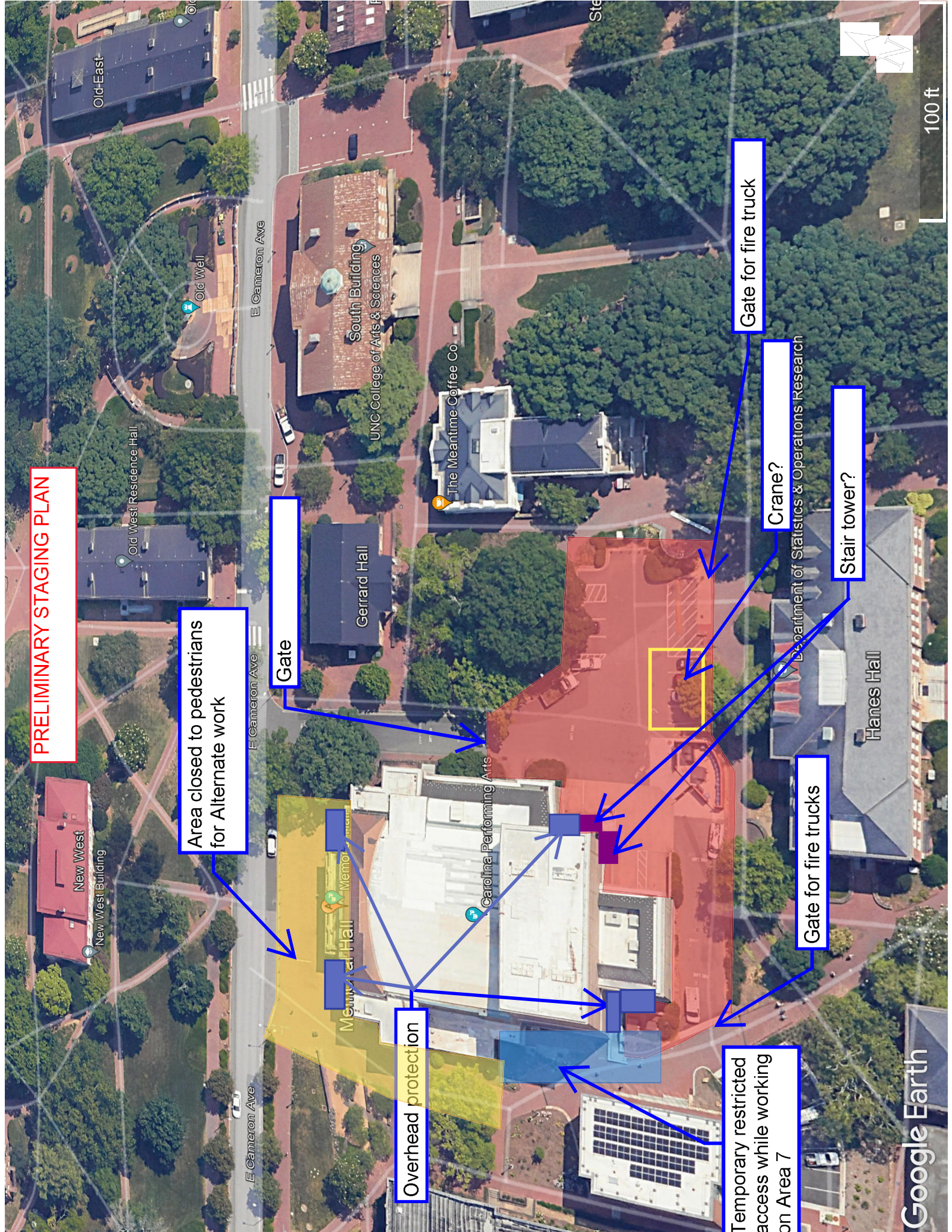
Temporary restricted access while working on Area 7

Gate for fire truck

Crane?

Stair tower?

Gate for fire trucks





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Terracon.com

February 28, 2024
Project No. FJ226041

UNC-CH Facilities Planning and Design
Giles Horney Building
103 Airport Dr.
Chapel Hill, North Carolina 28217

Attn: Andrea Janusz, Facilities Architect
Email: andrea.janusz@facilities.unc.edu

Subject: Design & Contract Administration Services
UNC Memorial Hall Roof Replacement
University of North Carolina at Chapel Hill
Chapel Hill, North Carolina

Dear Ms. Janusz:

A Mandatory Pre-bid Meeting was convened for the subject project on February 21, 2024 at 1:00 p.m. The attached sign-in sheet lists the individuals in attendance. The following was also discussed:

1. Introductions were made as follows:
 - a. Jerry Edwards, Terracon Project Manager
 - b. Jeff Poe, Terracon Project Designer
 - c. Errol Simon, UNC Construction Manager
 - d. Andrea Janusz, UNC Facilities Architect
 - e. Seth Teague, UNC Fire Marshal
 - f. Adam Swift, UNC EHS
 - g. Gary Wagoner, UNC Facilities Roofer
 - h. UNC Memorial Hall representatives
2. Contractors were reminded to review the General Conditions and the Supplementary General Conditions of the contract.
3. Contractors were reminded that the UNC-CH campus is generally a non-smoking campus and that smoking and/or vaping will not be allowed on the project site.
4. Copies of a preliminary staging plan was distributed, prior to walking the ground level areas of the site and discussing potential staging issues, scaffolding, and potential fencing requirements.
 - a. The contractors were reminded that the parking lot between Memorial Hall and Hanes Hall is the Fire Lane for multiple buildings in the area. Double width gates will be required at these locations to accommodate access for emergency vehicles.
 - b. The contractors were reminded that ADA and pedestrian access between Memorial Hall and Curtis Media (formerly Phillips Annex) must remain open during the entire project.
5. Contractors were advised that the Bid date and time are Wednesday, March 6, 2024, at 2:00 pm in the Magnolia Conference Room of Giles Horney Building at 103 Airport Dr, Chapel Hill, NC.
6. Contractors were advised that all questions should be submitted in writing by the end of day on Monday, February 26, 2024, to Jeremiah Edwards (jerry.edwards@terracon.com), Project Manager for Terracon.
 - a. Contractors were advised that any substitution requests must be submitted by contractors and not manufacturers.
7. Contractors were reminded that UNC-CH has a 10% goal for minority participation.

8. Contractors were reminded to include MBE Affidavit A or B with their bid and to be able to provide documentation of Good Faith Efforts.
9. Contractors were reminded to provide Bid security or Bid Bond with their bids.
10. Contractors were advised that Performance and Payment Bonds in the amount or 100% of the contract amount would be required for the project.
11. Contractors were advised that any addendum would be issued seven (7) days prior to the bid opening.
12. A detailed description of work included in the Base Bid and Alternates 1 and 2 were discussed with the contractors.
 - a. Contractors were advised that the Base Bid contract is for 75 calendar days.
 - b. Alternate 1 would add 45 calendar days.
 - c. Alternate 2 would add 14 calendar days.
13. Mr. Edwards reviewed the allowances and unit prices with the contractors.
 - a. The contractors were advised that the unit price for plywood for Area A is inclusive of the whole roof area.
14. The contractors were advised that the decks on Areas 1 and Area A are gypsum plank on bulb tees.
15. The contractors were advised that there are asbestos-containing materials present on the existing roofing systems. The contractors should familiarize themselves with these locations, including the barrel roof (Area 1) and steep-slope roof (Area A). The contractors were reminded that these are not all of the areas and should review the asbestos report within the documents.
16. The contractors were advised that there are several items included in the project that are delegated design that are to be incorporated into the project.
 - a. Areas 1, 2, 5, and 6: Fall protection anchors.
 - b. Areas 1, 2, 5, and 6: Cable fall protection system.
 - c. Area 7: Ballasted handrail fall protection system.
 - d. All areas: Lightning protection system recertification and upgrades.
17. The contractors were advised that a new roof hatch and stairs are required for Area A.
18. The contractors were advised that new guard rails are required at all roof hatches.

Bidders were permitted to access the facility to observe existing conditions and the meeting was concluded afterwards.

Sincerely,

Terracon Consultants, Inc.



Jeremiah M. Edwards, PE, RRC, REWC
Senior Engineer
Facility Services

Attachments: Pre-Bid Meeting Sign in Sheet

Project: UNC Memorial Hall Roof Replacement Project

Project #: FJ226041; SCO ID #22-25151-01A

Date & Time: February 21, 2024 @ 1:00 p.m.

Owner: University of North Carolina at Chapel Hill

MANDATORY PRE-BID MEETING - ATTENDEES

No.	Name and Firm Represented Email Address	Mailing and Street Address	Telephone No. Mobile No.
1	Jeremiah M. Edwards, P.E.	2401 Brentwood Road, Suite 107	Office: 919-378-8581
	Terracon Consultants, Inc.	Raleigh, NC 27604	Mobile: 919-819-9199
	Email: jerry.edwards@terracon.com		
2	Jason Kepley	160 Thatcher Rd.	Phone:
	H M Kern	Greensboro, NC 27409	Mobile: 336-207-0733
	Email: estimating@hmkern.com		
3	Austin Patterson		Phone: 704-785-6612
	Sika/Sarnafil		Mobile:
	Email: austin@integratedproductsgrp.com		
4	Leo Salmeron		Phone:
	Triad Roofing Company Inc.		Mobile: 336-345-1070
	Email: leo@triadroofing.com		
5	Brad Shaltz		Phone: 919-269-8882
	Triangle Roofing Serv.		Mobile: 919-609-8246
	Email: brad@triangleroof.com		
6	Brandt Strait		Phone:
	Tecta America Carolinas		Mobile: 803-431-1061
	Email: bstrait@tectaaamerica.com		
7	Sam Steed		Phone: 918-922-0109
	Wayne Roofing & Sheet Metal Inc.		Mobile: 918-734-5475
	Email: sams@wayneroofingnc.com		
8	Jeff Hubbard		Phone: 336-667-4997
			Mobile: 336-469-0253
	Email: martygreen@martinroofingservices.com		
9	Joey Tillman		Phone:
	Owens Roofing Inc.		Mobile: 336-707-2051
	Email: joey@owensroofinginc.com		
10	Anas Elevian		Phone: 919-448-5366
	Zakaria Construction		Mobile:
	Email: ake@zakariaconstruct.com		

Project: UNC Memorial Hall Roof Replacement Project

Project #: FJ226041; SCO ID #22-25151-01A

Date & Time: February 21, 2024 @ 1:00 p.m.

Owner: University of North Carolina at Chapel Hill

MANDATORY PRE-BID MEETING - ATTENDEES

No.	Name and Firm Represented Email Address	Mailing and Street Address	Telephone No. Mobile No.
11	Keith Andrews		Phone: 336-857-8890
	AAR Roofing		Mobile:
	Email: aarestimators@aarnc.com		
12	Cesar LeZama		Phone: 704-642-9696
	Enviropro Solutions (Abatement)	(Asbestos Abatement)	Mobile:
	Email: clezama@enviroprosolution.com		
13	Gary Wagoner		Phone: 919-730-2139
			Mobile:
	Email: gary.wagoner@fac.unc.edu		
14	Seth Teague		Phone:
			Mobile:
	Email: sethtea@unc.edu		
15	Matt Walker		Phone:
	Nations Roof		Mobile: 704-277-0458
	Email: mwalker@nationsroof.com		
16	Rob Cox		Phone:
	IB Roof Systems		Mobile: 336-944-3376
	Email: rob.cox@ibroof.com		
17	Adam Swift		Phone:
			Mobile: 919-883-7404
	Email: alsswift@ehs.unc.edu		
18	Hector Rodriquez		Phone: 410-622-2734
	Highland Roofing		Mobile:
	Email: bids@highlandroofingcompany.com		
19	Errol Simon		Phone:
	UNC Construction Manager		Mobile: 919-903-6169
	Email: errol@fac.unc.edu		
20	Andrea Janusz		Phone: 984-484-4668
	UNC PM		Mobile:
	Email: andrea.janusz@facilities.unc.edu		

LIMITED ASBESTOS INSPECTION REPORT
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL
MEMORIAL HALL – ROOFS
114 E CAMERON AVE, CHAPEL HILL, NORTH CAROLINA 27514
Terracon Project No. FJ226041
November 30, 2022

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted a limited asbestos inspection of the roofs of the Memorial Hall building, located at the University of North Carolina in Chapel Hill, North Carolina. The inspection was performed on October 20, 2022, in accordance with Terracon Proposal No. FJ226041, dated September 9, 2022.

The inspection detailed herein was limited to suspect asbestos-containing materials (ACM) anticipated to be disturbed by the planned replacement of the Memorial Hall roof. Please note that additional suspect ACM may exist at the property outside the scope of the inspection that have not been identified or sampled.

Suspect ACM samples were collected in general accordance with the sampling protocols outlined in Environmental Protection Agency (EPA) regulation 40 CFR 763 (Asbestos Hazard Emergency Response Act, AHERA). Samples were then delivered to an accredited laboratory for analysis by Polarized Light Microscopy (PLM).

We understand this limited asbestos inspection was requested due to the planned roof replacement project. EPA regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP requires that potentially regulated asbestos-containing building materials be identified, classified, and quantified prior to planned disturbances, renovation, or demolition activities.

2.0 ROOF DESCRIPTION

A total of nine roof areas were identified at the Memorial Hall building, as detailed below:

- **Roof 1:** The main roof is a barrel roof, consisting of a fully adhered single-ply Thermoplastic Polyolefin (TPO) membrane roofing system, on top of 2" Pyrobar gypsum plank deck, with two layers of polyisocyanurate insulation.
- **Roof 2:** Located on the northeast side of the building, it consists of a fully adhered single-ply TPO membrane roofing system, on top of metal decking. Insulation includes two layers of polyisocyanurate.
- **Roof 3 and 4:** These lower side roofs, located at the northeast and northwest sides of the Memorial Hall, consist in a fully adhered single-ply TPO membrane roofing system on top of a concrete substrate, with two layers of polyisocyanurate insulation.
- **Roof A:** This roof is a standing seam metal roof over built-up roofing base sheet and Pyrobar gypsum plank deck, without any insulation observed. The top of the pitched metal roof appears to be flat, with no slope.

- **Roof 9:** The porte-cochere roof, located on the north side of the building, consists of an asphaltic layer applied over plywood substrate, mounted on wooden support beams, itself attached to a concrete substrate. The balcony also includes a stone balustrade.
- **Roof 7:** The high roof is a low slope, single-ply TPO membrane roof system, with roughly two layers of tapered polyisocyanurate insulation. This insulation is adhered to the concrete substrate.
- **Roof 8:** This low roof with metal screen wall is located on the south/south-east side of the building. It is a low slope, single-ply TPO membrane roof system with roughly 3.5 inches of tapered polyisocyanurate insulation. Existing insulation is adhered to a concrete substrate.
- **Roof 6:** This lower roof, located between the Memorial Hall and the Curtis Media Building, consists in a low slope, single-ply TPO membrane roof system, with roughly 5.5 inches of tapered polyisocyanurate insulation, over wooden deck.

3.0 FIELD ACTIVITIES

The limited asbestos inspection was performed on October 20, 2022, by Terracon representative Christian Borrel (North Carolina Accredited Inspector No. 13007). The inspection was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763 (AHERA). A copy of the inspector's accreditation is included in Appendix F.

Our inspection activities began with visual observations within the roof replacement areas to identify homogeneous areas of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color, texture and date of application. Building materials identified as concrete, glass, wood, masonry, metal or rubber are not considered suspect ACM. The visual assessment included suspect materials anticipated to be disturbed by the planned roof replacement project. Therefore, additional suspect ACM may exist at the property outside the scope of the inspection that have not been identified or sampled.

A physical assessment of each homogeneous area of suspect ACM within our scope of work was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material, which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA sampling protocols. Random samples of suspect materials were collected from each homogeneous area. The sample team member collected bulk samples using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker. Terracon collected a total of 105 bulk samples from 35 homogeneous areas (HAs) of suspect ACM for a total 141 distinct layers. A summary of suspect ACM samples collected during the inspection is included as Appendix B.

Bulk samples were submitted under chain of custody to EMSL of Morrisville, North Carolina for analysis by Polarized Light Microscopy (PLM) with dispersion staining techniques per EPA methodology (40 CFR 763, Subpart F). The percentage of asbestos, where applicable, was determined by microscopic visual estimation. EMSL is accredited under the National Voluntary Laboratory Accreditation Program NVLAP (Accreditation Number 200671-0). The asbestos laboratory analytical report is provided in Appendix C.

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2

employers must follow when engaging in each class of regulated work. States which administer their own federally-approved state OSHA programs may require additional precautions.

A full copy of the OSHA asbestos standard for general and construction industry may be found at OSHA's website (www.osha.gov) and should be referenced for specific information.

5.0 FINDINGS AND RECOMMENDATIONS

Based on the results of laboratory analysis, asbestos was identified in the following building materials sampled:

- Black tar paper, associated with the north metal roof (Roof A).
- Black parapet material, at the parapet surrounding the barrel roof (Roofs 1 and 3).
- White caulk on the north balcony balustrade (Roof 9).
- Black tar material underneath the roof plywood (Roof 9).

A summary of the classification and condition of the identified ACM is presented in Appendix A. Photographs of the identified ACM are included in Appendix D. A figure identifying general roof section locations is included in Appendix E.

The above identified asbestos-containing materials are considered NESHAP Category I non-friable ACM. The materials were observed in good condition. Terracon recommends this material be removed by a state of North Carolina licensed asbestos abatement contractor prior to roof replacement activities.

Please note that suspect ACM other than those identified during the inspection may exist within the building. Should suspect ACM other than those which were identified during this inspection be uncovered prior to or during renovation or demolition activities, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny their asbestos content.

6.0 GENERAL COMMENTS

This limited asbestos inspection was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our inspection of the building.

This report has been prepared on behalf of and exclusively for use by the University of North Carolina at Chapel Hill for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information, which may have been used in the preparation of this report. No warranty, express or implied, is made.

Appendix A

ASBESTOS INSPECTION SAMPLE SUMMARY

University of North Carolina at Chapel Hill - Memorial Hall Roofs

111 East Cameron Street

Chapel Hill, North Carolina

Terracon Project No. FJ226041

MATERIALS CONTAINING GREATER THAN 1% ASBESTOS

HA	Material Description	Material Location	Percent / Type Asbestos	NESHAP Classification	Condition	Estimated Quantity ¹
6	Black Tar Paper	North Metal Roof (Roof A)	45% Chrysotile	Category I Non-Friable	Good	3,400 SF
14	Black Parapet Material	Parapet between Lower Flat Roofs and Barnet Roof (Roofs 1, 2, 3, and 4)	5% Chrysotile	Category I Non-Friable	Good	450 SF
21	White Caulk on Balustrade	North Front Balcony / Porte-Cochere Roof (Roof 9)	15% Chrysotile	Category I Non-Friable	Good	150 SF
24	Black Tar Paper/Material underneath Plywood	North Front Balcony / Porte-Cochere Roof (Roof 9)	45% Chrysotile	Category I Non-Friable	Good	550 SF

HA = Homogenous area

SF = square feet

Category I Non-friable ACM is any nonfriable resilient floor covering, asphalt roofing product, packings, and gaskets that contain more than 1% asbestos

Category II Non-friable ACM are any nonfriable materials other than Category I materials that contain more than 1% asbestos

RACM = Regulated asbestos-containing materials

¹ Quantities are estimates and should be verified by the asbestos contractor

Appendix B

ASBESTOS INSPECTION SAMPLE SUMMARY
 University of North Carolina at Chapel Hill - Memorial Hall Roofs
 111 East Cameron Street
 Chapel Hill, North Carolina
 Terracon Project No. FJ226041

HA	Sample Number	Description	Roof Number	Sample Location	Lab Results
1	UNCMH-1	Black Felt Paper/Insulation/Vapor Barrier	2	Transition at Barrel Roof/Flat Roof (Northeast Side) - Flat Roof	Insulation: None Detected Vapor Barrier: None Detected
1	UNCMH-2	Black Felt Paper/Insulation/Vapor Barrier	2	Transition at Barrel Roof/Flat Roof (Northeast Side) - Flat Roof	Insulation: None Detected Vapor Barrier: None Detected
1	UNCMH-3	Black Felt Paper/Insulation/Vapor Barrier	2	Transition at Barrel Roof/Flat Roof (Northeast Side) - Flat Roof	Insulation: None Detected Vapor Barrier: None Detected
2	UNCMH-4	Black Felt Paper/Insulation/Vapor Barrier	1	Transition at Barrel Roof/Flat Roof (Northeast Side) - Flat Roof	Felt: None Detected Insulation: None Detected Mastic: None Detected
2	UNCMH-5	Black Felt Paper/Insulation/Vapor Barrier	1	Transition at Barrel Roof/Flat Roof (Northeast Side) - Flat Roof	Felt: None Detected Insulation: None Detected Mastic: None Detected
2	UNCMH-6	Black Felt Paper/Insulation/Vapor Barrier	1	Transition at Barrel Roof/Flat Roof (Northeast Side) - Flat Roof	Felt: None Detected Insulation: None Detected
3	UNCMH-7	Gypsum Substrate	1 / 2	Transition at Barrel Roof/Flat Roof (Northeast Side) - Barrel Roof and Flat	None Detected
3	UNCMH-8	Gypsum Substrate	1 / 2	Transition at Barrel Roof/Flat Roof (Northeast Side) - Barrel Roof and Flat	None Detected
3	UNCMH-9	Gypsum Substrate	1 / 2	Transition at Barrel Roof/Flat Roof (Northeast Side) - Barrel Roof and Flat	None Detected
4	UNCMH-10	Sheetrock	1 / 2	Transition at Barrel Roof/Flat Roof (Northeast Side) - Barrel Roof and Flat	None Detected
4	UNCMH-11	Sheetrock	1 / 2	Transition at Barrel Roof/Flat Roof (Northeast Side) - Barrel Roof and Flat	None Detected
4	UNCMH-12	Sheetrock	1 / 2	Transition at Barrel Roof/Flat Roof (Northeast Side) - Barrel Roof and Flat	None Detected
5	UNCMH-13	Black Felt Paper/Insulation/Vapor Barrier	1 / A	Transition/Flashing at Barrel Roof/Metal Roof (North Side)	Felt: None Detected Insulation: None Detected Mastic: None Detected
5	UNCMH-14	Black Felt Paper/Insulation/Vapor Barrier	1 / A	Transition/Flashing at Barrel Roof/Metal Roof (North Side)	Felt: None Detected Insulation: None Detected Mastic: None Detected
5	UNCMH-15	Black Felt Paper/Insulation/Vapor Barrier	1 / A	Transition/Flashing at Barrel Roof/Metal Roof (North Side)	Felt: None Detected Insulation: None Detected Mastic: None Detected
6	UNCMH-16	Black Tar Paper	A	Transition/Flashing at Barrel Roof/Metal Roof (North Side)	45% Chrysotile
6	UNCMH-17	Black Tar Paper	A	Transition/Flashing at Barrel Roof/Metal Roof (North Side)	Positive Stop (Not Analyzed)
6	UNCMH-18	Black Tar Paper	A	Transition/Flashing at Barrel Roof/Metal Roof (North Side)	Positive Stop (Not Analyzed)
7	UNCMH-19	Gypsum Substrate	1 / A	Transition/Flashing at Barrel Roof/Metal Roof (North Side)	None Detected
7	UNCMH-20	Gypsum Substrate	1 / A	Transition/Flashing at Barrel Roof/Metal Roof (North Side)	None Detected
7	UNCMH-21	Gypsum Substrate	1 / A	Transition/Flashing at Barrel Roof/Metal Roof (North Side)	None Detected
8	UNCMH-22	Tan Coating/Paint	A	North Side Metal Roof	None Detected
8	UNCMH-23	Tan Coating/Paint	A	North Side Metal Roof	None Detected
8	UNCMH-24	Tan Coating/Paint	A	North Side Metal Roof	None Detected
9	UNCMH-25	Caulk on Metal Roof Nails	A	North Side Metal Roof	None Detected

Appendix B

ASBESTOS INSPECTION SAMPLE SUMMARY
 University of North Carolina at Chapel Hill - Memorial Hall Roofs
 111 East Cameron Street
 Chapel Hill, North Carolina
 Terracon Project No. FJ226041

HA	Sample Number	Description	Roof Number	Sample Location	Lab Results
9	UNCMH-26	Caulk on Metal Roof Nails	A	North Side Metal Roof	None Detected
9	UNCMH-27	Caulk on Metal Roof Nails	A	North Side Metal Roof	None Detected
10	UNCMH-28	White Caulk along Top of Flashing	A	North Side Metal Roof	None Detected
10	UNCMH-29	White Caulk along Top of Flashing	A	North Side Metal Roof	None Detected
10	UNCMH-30	White Caulk along Top of Flashing	A	North Side Metal Roof	None Detected
11	UNCMH-31	Brown Caulk along Top of Flashing	1	Transition/Flashing at High Building/Barnel Roof	None Detected
11	UNCMH-32	Brown Caulk along Top of Flashing	1	Transition/Flashing at High Building/Barnel Roof	None Detected
11	UNCMH-33	Brown Caulk along Top of Flashing	1	Transition/Flashing at High Building/Barnel Roof	None Detected
12	UNCMH-34	Pink/Red Caulk	1 / 3	Parapet between Barnel Roof and Northeast Lower Flat Roof	None Detected
12	UNCMH-35	Pink/Red Caulk	1 / 3	Parapet between Barnel Roof and Northeast Lower Flat Roof	None Detected
12	UNCMH-36	Pink/Red Caulk	1 / 3	Parapet between Barnel Roof and Northeast Lower Flat Roof	None Detected
13	UNCMH-37	Yellow Glue on TPO Membrane	3	Northwest Flat Roof Parapet	None Detected
13	UNCMH-38	Yellow Glue on TPO Membrane	3	Northwest Flat Roof Parapet	None Detected
13	UNCMH-39	Yellow Glue on TPO Membrane	3	Northwest Flat Roof Parapet	None Detected
14	UNCMH-40	Black Parapet Material	1 / 3	Parapet between Northwest Lower Flat Roof and Barnel Roof	5% Chrysotile
14	UNCMH-41	Black Parapet Material	1 / 3	Parapet between Northwest Lower Flat Roof and Barnel Roof	Positive Stop (Not Analyzed)
14	UNCMH-42	Black Parapet Material	1 / 3	Parapet between Northwest Lower Flat Roof and Barnel Roof	Positive Stop (Not Analyzed)
15	UNCMH-43	Green Coating	3 / A	Gutter between Northwest Lower Flat Roof and Barnel Roof	None Detected
15	UNCMH-44	Green Coating	3 / A	Gutter between Northwest Lower Flat Roof and Barnel Roof	None Detected
15	UNCMH-45	Green Coating	3 / A	Gutter between Northwest Lower Flat Roof and Barnel Roof	None Detected
16	UNCMH-46	White Caulk on Cap	1 / 4	Parapet between Northeast Lower Flat Roof and Barnel Roof	None Detected
16	UNCMH-47	White Caulk on Cap	1 / 4	Parapet between Northeast Lower Flat Roof and Barnel Roof	None Detected
16	UNCMH-48	White Caulk on Cap	1 / 4	Parapet between Northeast Lower Flat Roof and Barnel Roof	None Detected
17	UNCMH-49	Sealant at Panels Seams	A	Metal Roof at Northeast	None Detected
17	UNCMH-50	Sealant at Panels Seams	A	Metal Roof at Northeast	None Detected
17	UNCMH-51	Sealant at Panels Seams	A	Metal Roof at Northeast	None Detected
18	UNCMH-52	Black Felt Paper/Insulation/Vapor Barrier	4	Northeast Lower Flat Roof	Felt Paper: None Detected Insulation: None Detected Vapor Barrier: None
18	UNCMH-53	Black Felt Paper/Insulation/Vapor Barrier	4	Northeast Lower Flat Roof	Felt Paper: None Detected Insulation: None Detected Vapor Barrier: None
18	UNCMH-54	Black Felt Paper/Insulation/Vapor Barrier	4	Northeast Lower Flat Roof	Felt Paper: None Detected Insulation: None Detected Vapor Barrier: None
19	UNCMH-55	Gypsum Substrate	4	Northeast Lower Flat Roof	None Detected
19	UNCMH-56	Gypsum Substrate	4	Northeast Lower Flat Roof	None Detected
19	UNCMH-57	Gypsum Substrate	4	Northeast Lower Flat Roof	None Detected
20	UNCMH-58	Gypsum Substrate	-	Attic Ceiling	None Detected
20	UNCMH-59	Gypsum Substrate	-	Attic Ceiling	None Detected
20	UNCMH-60	Gypsum Substrate	-	Attic Ceiling	None Detected
21	UNCMH-61	White Caulk on Balustrade	3	North Front Balcony	15% Chrysotile
21	UNCMH-62	White Caulk on Balustrade	3	North Front Balcony	Positive stop (Not Analyzed)
21	UNCMH-63	White Caulk on Balustrade	3	North Front Balcony	Positive stop (Not Analyzed)

Appendix B

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 University of North Carolina at Chapel Hill - Memorial Hall Roofs
 111 East Cameron Street
 Chapel Hill, North Carolina
 Terracon Project No. FJ226041

HA	Sample Number	Description	Roof Number	Sample Location	Lab Results
9	UNCMH-26	Caulk on Metal Roof Nails	A	North Side Metal Roof	None Detected
9	UNCMH-27	Caulk on Metal Roof Nails	A	North Side Metal Roof	None Detected
10	UNCMH-28	White Caulk along Top of Flashing	A	North Side Metal Roof	None Detected
10	UNCMH-29	White Caulk along Top of Flashing	A	North Side Metal Roof	None Detected
10	UNCMH-30	White Caulk along Top of Flashing	A	North Side Metal Roof	None Detected
11	UNCMH-31	Brown Caulk along Top of Flashing	1	Transition/Flashing at High Building/Barnel Roof	None Detected
11	UNCMH-32	Brown Caulk along Top of Flashing	1	Transition/Flashing at High Building/Barnel Roof	None Detected
11	UNCMH-33	Brown Caulk along Top of Flashing	1	Transition/Flashing at High Building/Barnel Roof	None Detected
12	UNCMH-34	Pink/Red Caulk	1 / 3	Parapet between Barnel Roof and Northeast Lower Flat Roof	None Detected
12	UNCMH-35	Pink/Red Caulk	1 / 3	Parapet between Barnel Roof and Northeast Lower Flat Roof	None Detected
12	UNCMH-36	Pink/Red Caulk	1 / 3	Parapet between Barnel Roof and Northeast Lower Flat Roof	None Detected
13	UNCMH-37	Yellow Glue on TPO Membrane	3	Northwest Flat Roof Parapet	None Detected
13	UNCMH-38	Yellow Glue on TPO Membrane	3	Northwest Flat Roof Parapet	None Detected
13	UNCMH-39	Yellow Glue on TPO Membrane	3	Northwest Flat Roof Parapet	None Detected
14	UNCMH-40	Black Parapet Material	1 / 3	Parapet between Northwest Lower Flat Roof and Barnel Roof	5% Chrysotile
14	UNCMH-41	Black Parapet Material	1 / 3	Parapet between Northwest Lower Flat Roof and Barnel Roof	Positive Stop (Not Analyzed)
14	UNCMH-42	Black Parapet Material	1 / 3	Parapet between Northwest Lower Flat Roof and Barnel Roof	Positive Stop (Not Analyzed)
15	UNCMH-43	Green Coating	3 / A	Gutter between Northwest Lower Flat Roof and Barnel Roof	None Detected
15	UNCMH-44	Green Coating	3 / A	Gutter between Northwest Lower Flat Roof and Barnel Roof	None Detected
15	UNCMH-45	Green Coating	3 / A	Gutter between Northwest Lower Flat Roof and Barnel Roof	None Detected
16	UNCMH-46	White Caulk on Cap	1 / 4	Parapet between Northeast Lower Flat Roof and Barnel Roof	None Detected
16	UNCMH-47	White Caulk on Cap	1 / 4	Parapet between Northeast Lower Flat Roof and Barnel Roof	None Detected
16	UNCMH-48	White Caulk on Cap	1 / 4	Parapet between Northeast Lower Flat Roof and Barnel Roof	None Detected
17	UNCMH-49	Sealant at Panels Seams	A	Metal Roof at Northeast	None Detected
17	UNCMH-50	Sealant at Panels Seams	A	Metal Roof at Northeast	None Detected
17	UNCMH-51	Sealant at Panels Seams	A	Metal Roof at Northeast	None Detected
18	UNCMH-52	Black Felt Paper/Insulation/Vapor Barrier	4	Northeast Lower Flat Roof	Felt Paper: None Detected Insulation: None Detected Vapor Barrier: None
18	UNCMH-53	Black Felt Paper/Insulation/Vapor Barrier	4	Northeast Lower Flat Roof	Felt Paper: None Detected Insulation: None Detected Vapor Barrier: None
18	UNCMH-54	Black Felt Paper/Insulation/Vapor Barrier	4	Northeast Lower Flat Roof	Felt Paper: None Detected Insulation: None Detected Vapor Barrier: None
19	UNCMH-55	Gypsum Substrate	4	Northeast Lower Flat Roof	None Detected
19	UNCMH-56	Gypsum Substrate	4	Northeast Lower Flat Roof	None Detected
19	UNCMH-57	Gypsum Substrate	4	Northeast Lower Flat Roof	None Detected
20	UNCMH-58	Gypsum Substrate	-	Attic Ceiling	None Detected
20	UNCMH-59	Gypsum Substrate	-	Attic Ceiling	None Detected
20	UNCMH-60	Gypsum Substrate	-	Attic Ceiling	None Detected
21	UNCMH-61	White Caulk on Balustrade	3	North Front Balcony	15% Chrysotile
21	UNCMH-62	White Caulk on Balustrade	3	North Front Balcony	Positive stop (Not Analyzed)
21	UNCMH-63	White Caulk on Balustrade	3	North Front Balcony	Positive stop (Not Analyzed)

Appendix B

ASBESTOS INSPECTION SAMPLE SUMMARY
 University of North Carolina at Chapel Hill - Memorial Hall Roofs
 111 East Cameron Street
 Chapel Hill, North Carolina
 Terracon Project No. FJ226041

HA	Sample Number	Description	Roof Number	Sample Location	Lab Results
	UNCMH-99	Black Felt Paper/Tar Paper/Insulation/Vapor Barrier	6	West Lower Flat Roof	Felt Paper: None Detected Tar: None Detected
34	UNCMH-100	Gray/Brown Caulk at Metal	6	West Lower Flat Roof	None Detected
34	UNCMH-101	Gray/Brown Caulk at Metal	6	West Lower Flat Roof	None Detected
34	UNCMH-102	Gray/Brown Caulk at Metal	6	West Lower Flat Roof	None Detected
35	UNCMH-103	Beige Caulk at Former Flashing	6	West Lower Flat Roof	None Detected
35	UNCMH-104	Beige Caulk at Former Flashing	6	West Lower Flat Roof	None Detected
35	UNCMH-105	Beige Caulk at Former Flashing	6	West Lower Flat Roof	None Detected

*Highlighted and bolded samples indicate materials with >1% asbestos.
 *Bolted samples indicate materials with <1% asbestos.

Asbestos Inspection Report

UNC Memorial Hall • Chapel Hill, North Carolina
Photos taken October 20, 2022 • Terracon Project No. FJ226041



Photo #1 Barrel Roof and High Building on south side (Roof 1)



Photo #2 Metal Roof (Roof A) at the Barrel Roof north side (Roof 1)



Photo #3 Lower NW Flat Roof (Roof 3)



Photo #4 Upper and Lower Flat Roofs on NE side (Roofs 2 and 4)



Photo #5 North Porte-Cochere Roof with Balustrade (Roof 9)



Photo #6 High Building Roof (Roof 7)

Asbestos Inspection Report

UNC Memorial Hall • Chapel Hill, North Carolina
Photos taken October 20, 2022 • Terracon Project No. FJ226041

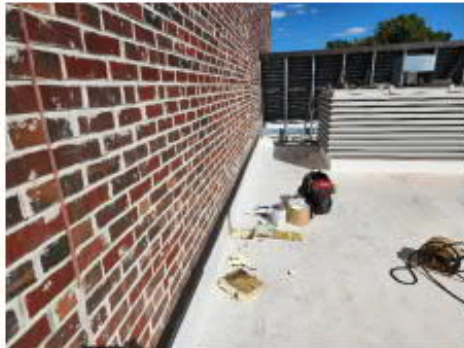


Photo #7 S-SE Low Roof with Metal Screen Wall (Roof 8)



Photo #8 Low Roof between the Memorial Hall and the Curtis Media Building (Roof 6)



Photo #9 Asbestos-containing Black Tar Paper at the North Metal Roof A (HA #6)



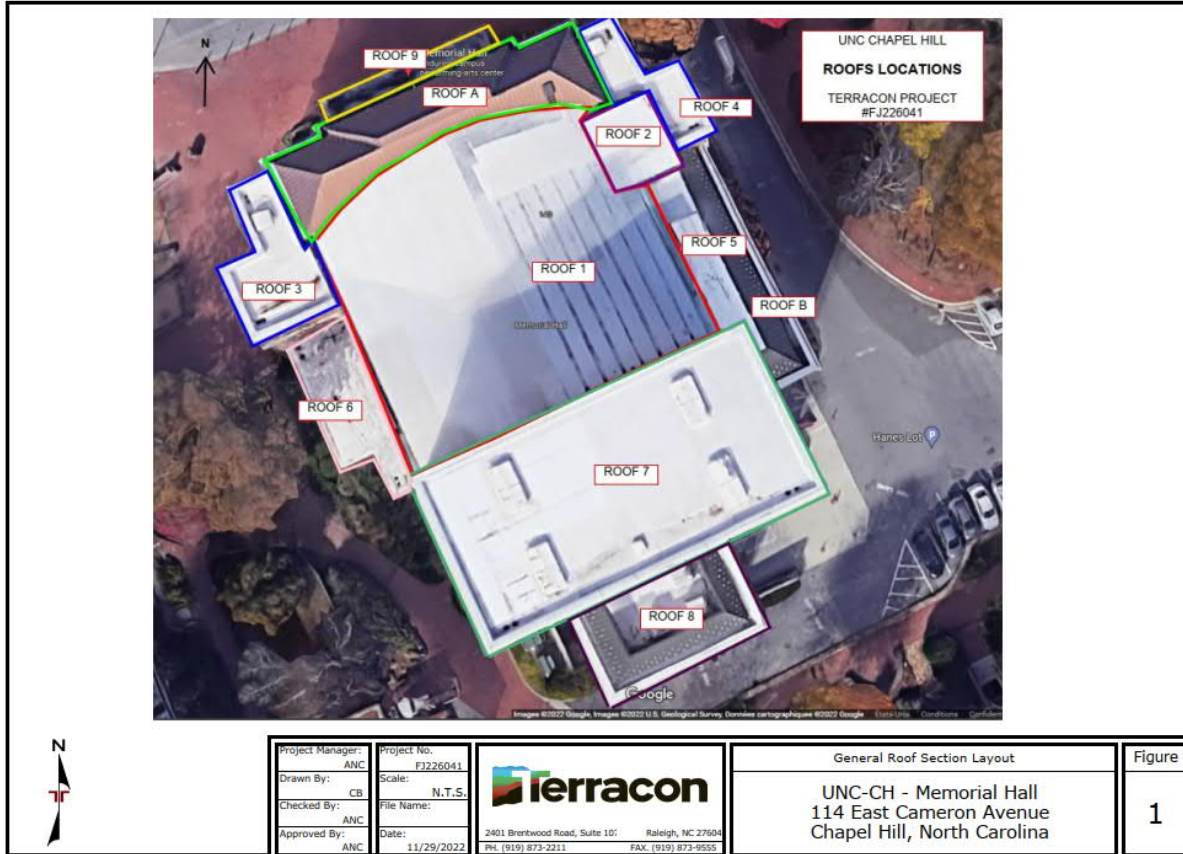
Photo #10 Asbestos-containing Black Material at the Parapet surrounding the Barrel Roof 1 (HA #14)



Photo #11 Asbestos-containing White Caulk on Balustrade at the North Porte-Cochere Roof 9 (HA #21)



Photo #12 Asbestos-containing Black Tar Paper/Material underneath Plywood at the North Porte-Cochere Roof 5 (HA #24)



FORM OF PROPOSAL

Memorial Hall Building _____ Contract: _____

University of North Carolina at Chapel Hill _____ Bidder: _____

SCO ID No. 22-25151-01A _____ Date: _____

The undersigned, as bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. The bidder further declares that he has examined the site of the work and the contract documents relative thereto and has read all special provisions furnished prior to the opening of bids; that he has satisfied himself relative to the work to be performed. The bidder further declares that he and his subcontractors have fully complied with NCGS 64, Article 2 in regards to E-Verification as required by Section 2.(c) of Session Law 2013-418, codified as N.C. Gen. Stat. § 143-129(j).

The Bidder proposes and agrees if this proposal is accepted to contract with the State of North Carolina through the University of North Carolina at Chapel Hill in the form of contract specified below, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of

Memorial Hall Building Roof Replacement Project

in full in complete accordance with the plans, specifications and contract documents, to the full and entire satisfaction of the State of North Carolina, and

University of North Carolina at Chapel Hill

with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the contract documents, for the sum of:

SINGLE PRIME CONTRACT:

BASE BID: Roof Replacement of Areas 1, 2, and 7:

_____ Dollars
(\$ _____)

ALTERNATE NO. 1: Roof Replacement of Areas 3, 4, 6, and 9:

_____ Dollars
(\$ _____)

ALTERNATE NO. 2: Coating installation on Area B and the internal gutter below:

_____ Dollars
(\$ _____)

ALTERNATE NO. 3: Roof Replacement of Areas 5 and 8:

_____ Dollars
(\$ _____)

ALTERNATE NO. 4: Install base sheet at Area 1:

_____ Dollars
(\$ _____)

SUBCONTRACTORS

General Subcontractor:

_____ Lic _____

Plumbing Subcontractor:

_____ Lic _____

Mechanical Subcontractor:

_____ Lic _____

Electrical Subcontractor:

_____ Lic _____

GS143-128(d) requires all single prime bidders to identify their subcontractors for the above subdivisions of work. A contractor whose bid is accepted shall not substitute any person as subcontractor in the place of the subcontractor listed in the original bid, except (i) if the listed subcontractor's bid is later determined by the contractor to be non-responsible or non-responsive or the listed subcontractor refuses to enter into a contract for the complete performance of the bid work, or (ii) with the approval of the awarding authority for good cause shown by the contractor.

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents.

Description	Unit of Measurement	Quantity	Price
1. Wire brush and paint metal deck.	SF	500	
2. Wire brush, paint, and plate metal deck.	SF	250	
3. Replace steel deck.	SF	100	
4. Replace damaged or deteriorated wood blocking.	BF	250	
5. Secure metal deck side laps.	Unit	100	
6. Resecure metal deck.	Unit	100	
7. Repair damaged and deteriorated Pyrofill Deck.	SF	250	
8. Install plywood over Pyrobar Deck on Area A.	Area A	All	

The bidder further proposes and agrees hereby to commence work under this contract on a date to be specified in a written order of the designer and shall fully complete all work thereunder within the time specified in the Supplementary General Conditions Article 23. Applicable liquidated damages amount is also stated in the Supplementary General Conditions Article 23.

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify on its bid (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. Also list the good faith efforts (Affidavit A) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (B) to that effect in lieu of Affidavit (A) required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Owner will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (C) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit D is not necessary;

* OR *

If less than the 10% goal, Affidavit (D) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

<p>Note: Bidders must always submit <u>with their bid</u> the Identification of Minority Business Participation Form listing all MB contractors, <u>vendors and suppliers</u> that will be used. If there is no MB participation, then enter none or zero on the form. Affidavit A or Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.</p>

Proposal Signature Page

The undersigned further agrees that in the case of failure on his part to execute the said contract and the bonds within ten (10) consecutive calendar days after being given written notice of the award of contract, the certified check, cash or bid bond accompanying this bid shall be paid into the funds of the owner's account set aside for the project, as liquidated damages for such failure; otherwise the certified check, cash or bid bond accompanying this proposal shall be returned to the undersigned.

Respectfully submitted this _____ day of _____, 20_____.

(Name of firm or corporation making bid)

WITNESS:

By: _____
Signature

(Proprietorship or Partnership)

Name: _____
Print or type

Title _____
(Owner/Partner/Pres./V.Pres)

Address _____

ATTEST:

By: _____

License No. _____

Title: _____
(Corp. Sec. or Asst. Sec. only)

Federal I.D. No. _____

Email Address: _____

(CORPORATE SEAL)

Addendum received and used in computing bid:

Addendum No. 1 _____ Addendum No. 3 _____ Addendum No. 5 _____ Addendum No. 7 _____

Addendum No. 2 _____ Addendum No. 4 _____ Addendum No. 6 _____ Addendum No. 8 _____

Do Not Submit with Bid Do Not Submit with Bid Do Not Submit with Bid

**FORM OF CONSTRUCTION CONTRACT
(ALL PRIME CONTRACTS)**

THIS AGREEMENT, made the _____ day of _____ in the year of 2024 by and between _____ hereinafter called the Party of the First Part and the State of North Carolina through **Chapel Hill University** hereinafter called the Party of the Second Part.

WITNESSETH:

That the Party of the First Part and the Party of the Second Part for the consideration herein named agree as follows:

1. Scope of Work: The Party of the First Part shall furnish and deliver all of the materials, and perform all of the work in the manner and form as provided by the following enumerated plans, specifications and documents, which are attached hereto and made a part thereof as if fully contained herein: advertisement; Instructions to Bidders; General Conditions; Supplementary General Conditions; specifications; accepted proposal; contract; performance bond; payment bond; power of attorney; workmen's compensation; public liability; property damage and builder's risk insurance certificates; approval of attorney general; certificate by the Office of State Budget and Management, and drawings, titled:

Memorial Hall Building, SCO Project No. 22-25151-01A

Consisting of the following sheets:

Dated: ____ and the following addenda:

Addendum No. 1	_____	Dated:	_____	Addendum No. 5	_____	Dated:	_____
Addendum No. 2	_____	Dated:	_____	Addendum No. 6	_____	Dated:	_____
Addendum No. 3	_____	Dated:	_____	Addendum No. 7	_____	Dated:	_____
Addendum No. 4	_____	Dated:	_____	Addendum No. 8	_____	Dated:	_____

2. That the Party of the First Part shall commence work to be performed under this agreement on a date to be specified in a written order of the Party of the Second Part and shall fully complete all work hereunder within _____ consecutive calendar days from said date. For each day in excess thereof, liquidated damages shall be as stated in Supplementary General Conditions. The Party of the First Part, as one of the considerations for the awarding of this contract, shall furnish to the Party of the Second Part a construction schedule setting forth planned progress of the project broken down by the various divisions or part of the work and by calendar days as outlined in Article 14 of the General Conditions of the Contract.

3. The Party of the Second Part hereby agrees to pay to the Party of the First Part for the faithful performance of this agreement, subject to additions and deductions as provided in the

specifications or proposal, in lawful money of the United States as follows:

Summary of Contract Award:

Base Bid _____
Alt. No. 1 _____
Alt. No. 2 _____
Alt. No. 3 _____
Alt. No. 4 _____

TOTAL _____

4. In accordance with Article 31 and Article 32 of the General Conditions of the Contract, the Party of the Second Part shall review, and if approved, process the Party of the First Party's pay request within 30 days upon receipt from the Designer. The Party of the Second Part, after reviewing and approving said pay request, shall make payments to the Party of the First Part on the basis of a duly certified and approved estimate of work performed during the preceding calendar month by the First Party, less five percent (5%) of the amount of such estimate which is to be retained by the Second Party until all work has been performed strictly in accordance with this agreement and until such work has been accepted by the Second Party. The Second Party may elect to waive retainage requirements after 50 percent of the work has been satisfactorily completed on schedule as referred to in Article 31 of the General Conditions.

5. Upon submission by the First Party of evidence satisfactory to the Second Party that all payrolls, material bills and other costs incurred by the First Party in connection with the construction of the work have been paid in full, final payment on account of this agreement shall be made within thirty (30) days after the completion by the First Party of all work covered by this agreement and the acceptance of such work by the Second Party.

6. It is further mutually agreed between the parties hereto that if at any time after the execution of this agreement and the surety bonds hereto attached for its faithful performance, the Second Party shall deem the surety or sureties upon such bonds to be unsatisfactory, or if, for any reason, such bonds cease to be adequate to cover the performance of the work, the First Party shall, at its expense, within five (5) days after the receipt of notice from the Second Party so to do, furnish an additional bond or bonds in such form and amount, and with such surety or sureties as shall be satisfactory to the Second Party. In such event no further payment to the First Party shall be deemed to be due under this agreement until such new or additional security for the faithful performance of the work shall be furnished in manner and form satisfactory to the Second Party.

7. The Party of the First Part attest that it and all of its subcontractors have fully complied with all requirements of NCGS 64 Article 2 in regards to E-Verification as required by Section 2.(c) of Session Law 2013-418, codified as N.C. Gen. Stat. § 143-129(j).

IN WITNESS WHEREOF, the Parties hereto have executed this agreement on the day and date first above written in five (5) counterparts, each of which shall without proof or accounting for other counterparts, be deemed an original contract.

Witness:

Contractor: (Trade or Corporate Name)

(Proprietorship or Partnership)

By: _____

Title: _____
(Owner, Partner, or Corp. Pres. or Vice

Pres. only)

Attest: (Corporation)

By: _____

Title: _____
(Corp. Sec. or Asst. Sec. only)

The State of North Carolina through

(CORPORATE SEAL)

University of North Carolina at Chapel Hill

(Agency, Department or Institution)

Witness:

By: _____

Title: _____
