

ADDENDUM #1

September 18, 2017

**UNC Charlotte Sycamore Hall Renovation
Charlotte, North Carolina
SCO #16-12735**

This addendum is pursuant to the University of North Carolina General Administration Instructions to Bidders and General Conditions of the Contract in connection with the revision of Bidding Documents which have been previously issues.

Addenda are issued prior to execution of Contract. All instructions contained herein shall be reflected in the Contract Sum and this Addendum will be made a part of the Contract Documents, if, as and when a Construction Contract is awarded.

This Addendum forms a part of the Contract Documents and modifies the original documents dated August 25, 2017, as noted below. Acknowledge receipt of this Addendum in the space provided on the Form of Proposal. Failure to do so will subject the Bidder to disqualification.

REVISIONS TO THE PROJECT MANUAL:

1. Revise the project manual by replacing spec sheets/sections/individual pages with the following project manual sheets as follows:
 - a. SECTION 07 27 26 "FLUID-APPLIED MEMBRANE AIR BARRIERS" – Replace page 072726-4 with the attached page.

REVISIONS TO DRAWINGS"

1. ABD-001, Addendum #1 revisions to door schedule.
2. ABD-002, Addendum #1 toilet accessory revisions.

BIDDER CLARIFICATION REQUESTS

#	RFI/ Substitution Request	Response
1	Please approve Carolina Heritage Cabinetry to bid this project as a casework fabricator. They are not an AWI participant, however they build to all AWI specifications and can meet specifications for this project.	Carolina Heritage Cabinetry is accepted as an approved casework fabricator for this project. Note this approval is limited to Carolina Heritage Cabinetry only.
2	Door SB.1B is called out to be an existing door on the door schedule but it also appears to be a new aluminum	SB.1B is to be a new storefront door in new storefront frame with hardware set 2.0 and card reader, see ABD-001. See attachment.

	<p>storefront door as part of SF-SB.1. I need to know if this is a new door by us or if the intent is to leave that existing entrance in place entirely and omit the SF-SB.1 storefront frame.</p>	
<p>3</p>	<p>Detail 3 on S801 references detail 5 on S206. Please provide drawing and/or detail.</p>	<p>For Detail 3/S801, Section cut mark "5/S206" should be "5/S801". This also applies to Detail 4/S801.</p>
<p>4</p>	<p>On the door schedule on AE601, door 100B does not have a door material listed. Please confirm what type of door will be required in this location.</p>	<p>Door 100B is to be a solid wood door, see ABD-001.</p>
<p>5</p>	<p>Specification section 012100 Allowances identifies allowance No 1 for top bar cut penetrations and allowance No 2 for bottom bar cut penetrations. Drawing S801 identifies multiple details for both top bar cut and bottom bar cut reinforcing. Please confirm how many of which details are to be used for each of the allowances.</p>	<p>For Allowance No. 1 use Detail 3/S801 and for Allowance No. 2 use Detail 2/S801.</p>
<p>6</p>	<p>Specification 012200 Unit prices Unit price 1A and 1B identify an estimated quantity of 80 installations for top of slab and bottom of slab reinforcing. Please confirm how many and which details are to be used for the unit price and if this unit price adjustment is to be based off of the allowance amounts or the quantities identified</p>	<p>For each unit price assume top and bottom bars are cut in each direction as shown in detail 2/S801 requiring top and bottom reinforcing in each direction: 2 – 8' long each side for a total of 80 linear feet of reinforcing per opening for top and bottom.</p>

	in the unit price specification.	
7	Drawings AE101 and AE102 call for a TA-15 accessory in the janitor closets. Spec section 10 28 00 calls for a Mop and Broom Holder as Item TA-11 but does not list a TA-15. Are the items shown on the drawings intended to be item TA-11?	Toilet accessory TA-15 changed to TA-11, per ABD-002. All janitor storage and mop sink closets to receive a mop and broom holder. See attachment.
8	Is there a logistics plan that the university will issue or is it the responsibility of each contractor to plan for laydown, fencing limits, etc.?	A logistics plan has not been issued, although there are numerous laydown locations near the site. The contractor will work closely with the Architect and UNC Charlotte to determine a logistics plan that functions well for all parties.
9	Are clouded/circled locations on drawing S201 and S202 intended to identify existing slab penetrations that will require repair? Note 4 states that "new and existing slab penetrations are shown"	<p>Clouded/circled locations on drawings S201 and S202 are intended to identify new slab penetrations. Existing slab penetrations are not shown. Existing as-built drawings (FOR REFERENCE ONLY) are available for download; see link below:</p> <p>https://www.dropbox.com/sh/rxlopa76z856olo/AAAkqZBXDEA2kxps_FalJIQla?dl=0</p> <p>Owner and Architect assume no responsibility for the accuracy and completeness of as-built drawings. It is the sole responsibility of the contractor to identify the scope of all work prior to bid.</p>
10	Sheet AS101 includes a note "Ramp retaining wall with brick veneer both sides" at a corner of the new ramp. Sheet C200 seems to imply that that corner receives a handrail on top of the ramp with no retaining wall. Please clarify the extents of the new CMU/Brick retaining wall, clarify top of wall elevations, and top of footing elevations.	Revise note on drawing 1/AS101 that reads, "ramp retaining wall with brick veneer, both sides". This is to be a code-compliant concrete ramp curb with standard exterior handrail. Revise note on AS101 that reads, "8" CMU wall with brick veneer, both sides – see 12/801" to read "8" CMU wall with brick veneer, both sides – see 10/S201". Note this is a similar condition; existing wall does not exist in this condition. Retaining wall at building is 8'-4" long and receives a guardrail, similar in configuration to rail indicated on 2/AS101. TOW to be 696 and TOF is 697. All existing conditions for this project are to be field verified.
11	Please clarify where detail 10/S201 occurs.	From column line C through D on the second floor.

12	12/S801 shows the ramp retaining wall and states "See Arch. Dwgs for top of wall finish". Precast cap is not shown in documents. Please provide a detail of the top of wall condition.	All retaining walls shall receive a brick rowlock wall cap with TOW flashing below.
----	--	---

ATTACHMENTS

1. PRE-BID CONFERENCE MEETING MINUTES
2. PRE-BID CONFERENCE ATTENDANCE SHEET
3. GOOD FAITH EFFORT REQUIREMENT
4. SUBSTITUTION REQUEST FORM FOR FLUID-APPLIED MEMBRANE AIR BARRIERS
5. SPECIFICATION SECTION 07 27 26 PAGE 072726-4
6. ABD-001, ADDENDUM #1 REVISIONS TO DOOR SCHEDULE, DATED 9/18/17
7. ABD-002, ADDENDUM #1 REVISIONS TO TOILET ACCESSORIES, DATED 9/18/17

END OF ADDENDUM #1

September 18, 2017

Pre-Bid CONFERENCE MEMORANDUM

UNC Charlotte Sycamore Hall Renovation SCO Project ID# 16-12735

Participants: See attached Attendance List

A Pre-Bid Meeting was held on September 14, 2017 in Toom 155 of the Friday Building on the UNC Charlotte main campus located at 9201 University City Boulevard, Charlotte, NC 28223. The meeting was held to review the project bidding requirements, scope of work, Public Hearing for Preferred Brand Alternate and a building tour. The following items were discussed.

1. The project representatives were introduced (Owner, Designer, User) and the attendance sign-in sheet was passed around. Each participant was given a copy of the meeting agenda and Good Faith Effort Requirements.
2. The project accepts Single Prime Bids. Bidding Contractors must be properly licensed. Refer to General Statutes 87-1 for requirements. All bids must be received by Tuesday, October 3, 2017 at 3:00 p.m. and will be opened publicly and read aloud at that time. The location for bids to be opened is: Cone Center, Room 112. All mailed deliveries to Capital Projects are to be received by 1:00 PM at 9151 Camron Boulevard, Charlotte NC 28223.
3. Bid documents are available for Prime Contractors (GCs) through the Architect. Electronic bid documents will be provided at no cost to GCs by contacting thameed@morrisberg.com. A \$300.00 refundable deposit is required per package. Documents are also available for review at the Office of the Architect, UNC Charlotte, www.ConstructConnect.com, www.construction.com www.mmcaofcharlotte.org.
4. Please use the bid form included in the Specifications, and make sure you are using the correct form for the project that you intend to bid. Any modifications to the Bid Form will be grounds for disqualification. Please fill in all blanks for alternates and unit prices. If you decide to not bid on an alternate, please write in "No Bid". Pay close attention to the MBE forms required. The State's MBE forms are included in Section 003000 of the Specifications and are also listed at the end of the Bid Form. They include the I.D. of HUD Certified/Minority Business Participation, Affidavit A or Affidavit B. Bids do require a Bid Bond in the amount of 5%, and this must be included with the bid. Information on allowable forms of the Bid Bond are included in the Instructions to Bidders.
5. The project goal for MBE participation is a 15% aspirational goal. All forms must be submitted with Bids. The proper MBE participation forms must be submitted with the bid. As previously stated, Identification of Minority Participants, and either Appendix A or B.

Contact Dorothy Vick at UNC Charlotte for assistance with locating minority subcontractors for this project. Communication with minority contractors is required 10 days prior to bid. See attached UNC Charlotte "Good Faith Effort" Requirements (Sycamore Hall Renovation).

6. Schedule – It is the Owner's goal to provide Notice to Proceed in December 2017. The Construction time is 270 calendar days from the Notice to Proceed. Liquidated Damages are included in the amount of \$250 per calendar day from 271-300 days. Liquidated damages in the amount of \$1,000 will be assessed after day 300.
7. Substitutions / Clarifications - All requests for substitutions clarification must be submitted through Prime Contractors to the office of the Architect in writing or by electronic mail no later than 10 days prior to the bid date. Follow the Instructions to Bidders for Substitution requests. Responses to requests for clarification or RFIs will be provided in writing by way of addendum. The last addendum will be released September 26, 2017.
8. Project Scope – A brief description of the project scope was provided. Details regarding project scope are defined in the Bid Documents.
Alternates for the project are as follows:
 - Alternate #5: Provide complete price to provide up-fit renovations to the fourth floor of the project building.Allowances and Unit Prices are included on the bid form and are further defined in the Specifications.
9. Presentation of Preferred Brand Alternates – To provide consistency for UNC Charlotte, five Preferred Brand Alternates are listed and have been discussed in the Pre-Bid Meeting with no objections. They are as follows:
 - Provide telecom hardware and cabling components per Attachment #2.
 - Provide telecom hardware and cabling components per Attachment #3.
 - Provide and install Schlage ND Series cylindrical locksets.
 - Provide and install Von Duprin 8/99 series exit/panic devices.
 - Provide and install HES 1006 Von Duprin heavy duty electric strikes.
 - Provide and install Schlage Everest D and Schlage Primus C.
10. Additional Comments/Questions:
 - Are any products specified being delayed by the current hurricanes? Response is that the Architect is not aware of any products being delayed due to hurricanes.
 - Whose scope of work is the MEP demolition? Response it that this is for the contractors to determine.
 - Has a logistics plan been issued regarding laydown, fencing, etc.? No logistics plan has been issued; the contactor is consult with Architect and UNC Charlotte regarding logistics once the project is awarded. See specifications.
12. At the close of the meeting the participants were invited to meet at the site. The Architect and UNC Charlotte personnel conducted a walk-through of the site to further explain the scope of work.

End of Notes - Participants are requested to provide written responses to the Architect for any corrections or additions to these minutes.

By: Tarik Hameed
Morris-Berg Architects
Copy: Participants; Planholders

ATTENDANCE LIST

Pre-Bid Conference

Thursday, September 14, 2017 (3:00 PM)

Morris•Berg

ARCHITECTS

1401 WEST MOREHEAD STREET, SUITE 125, CHARLOTTE, NC 28208
(704) 552-5800 FAX (704) 552-7420

UNC Charlotte – Sycamore Hall Renovation

PLEASE PRINT CLEARLY

NAME	COMPANY	EMAIL
Brian Kugler	UNC Charlotte-Capital Projects	bhkugler@uncc.edu
Dorothy Vick	UNC Charlotte-Capital Projects	dlvick@uncc.edu
Jeff Michael	Urban Institute	jmichael@uncc.edu
Steve Coppola	Institutional Research	scoppola@uncc.edu
Jody Cebina	Distance Education	icebina@uncc.edu
Tarik Hameed	Morris-Berg Architects	thameed@morrisberg.com
Santiago Mesa	Morris-Berg Architects	smesa@morrisberg.com
Larry McWilliams	McVeigh & Mangum Engineering	lmcwilliams@mcveighmangum.com
Rick Sousa	Vertex Technology Consultants	rick.sousa@vtcnc.com
Kevin Robinson	Boswell Group	kerobinson@theboswellgroup.com
Ron Martin	Walbridge	ron.martin@walbridge.com
Chris Hoover	W.C. Construction Company	chrish@wconstructionco.com
Jeff Dowdy	NEO Corporation	jodwdy@neocorporation.com
Joe Stritmatter	Trifecta Services Company	Js@trifectainc.com
Tony Hayden	DK Hayden Construction	dkhaydenconstruction@gmail.com
Krista Hillis	Davidson + Jones Construction	krista@dj1918.com
Jason Mitchell	I.L. Long	jmitchell@illong.com
Juniel Miller	Turner Construction Company	jumiller@tcco.com
Daniel Mock	EHG	dmock@ehgllc.com

Marc Laborde	Building America LLC	m@buildingusa.net
Ron Wagner	Messer Construction	rwagner@messer.com
Randy Aldridge	Southeastern Plumbing & Heating	randya@southeasternplumbing.com
Josh Bowlin	Messer Construction	jbowlin@messer.com
Derek Meachum	Momentum Construction	dmeachum@mvmomentum.com
Emily Kemp	H.M. Kern	emilyk@hmkern.com , jkepley@hmkern.com
Joe Ferguson	Airtight Facilitatech	jferguson@atftservices.com
Mark Fasser	Heartland Contracting	mfasser@heartlandnc.com
Jerry Coram	J.G. Coram Company	jgc@jgcoram.com
Josh Craft	Shiel Sexton	jcraft@shielsexton.com

UNC Charlotte
“Good Faith Effort” Requirements
(Sycamore Hall Renovation)

The MBE participation goal for this project is fifteen percent (15%).

This information is provided as a guide for firms who may be new to UNC Charlotte and may not be familiar with University expectations regarding minority business participation on State Construction Contracts. Bidders should be familiar with the ***Guidelines for Recruitment & Selection of Minority Businesses for Participation in State Construction Contracts*** as well as the applicable bid forms;

Identification of HUB Certified/Minority Business Participation form – Only list minority firms that you will use as construction subcontractors, vendors, suppliers or professional service providers on this project. The bidder cannot list himself on this form as he cannot subcontract to himself. **Note:** This form should be submitted with your bid, even if left blank.

Affidavit A – Listing of Good Faith Efforts – the bidder is certifying that he has made a good faith effort to comply under those areas checked on the form. Do not check a Good Faith Effort item unless you can provide the following;

1. Contacting minority businesses that reasonably could have been expected to submit a quote and that were known to the contractor or available on State or local government maintained lists **at least 10 days before the bid or proposal date** and notifying them of the nature and scope of the work to be performed.

Copies of written (emailed or faxed) notification to minority businesses and copies of quotes/proposals received for work solicited to minority businesses. Notification should include, at a minimum, project location, location where plans and specifications may be obtained or viewed, trade or scopes of work for which subcontracts are being solicited, contact person within the prime contractor organization.

Be sure to maintain a telephone log to confirm that minority firms received your Invitation For Bid (IFB). The log should contain the date contacted, telephone number, and name of the individual representing the minority firm who acknowledged receipt of your IFB. ***Also maintain a telephone log to confirm that minority firms acknowledged a “bid/no bid” to your IFB.*** The log should contain the date contacted, telephone number, and name of the individual representing the minority firm who acknowledged “bid/no bid” to your IFB.

2. Making the construction plans, specifications and requirements available for review by prospective minority businesses, or providing these documents to them at least 10 days before the bid or proposals are due.

Copies of written (emailed or faxed) notification to minority businesses should include, at a minimum, project location, location where plans and specifications may be obtained or viewed, trade or scopes of work for which subcontracts are being solicited, contact person within the prime contractor organization.

3. Breaking down or combining elements of work into economically feasible units to facilitate minority participation.

Document steps taken to segment elements of work into economically feasible units to meet minority business availability. Identify sub-contractors/suppliers/consultants and scope of work involved in segmenting.

Be sure that you are soliciting quotes from **at least** three (3) minority firms in scopes of work that typically have adequate numbers of minority firms available that can perform the work required (hauling, concrete, flooring, masonry, painting, electrical suppliers, etc.). Do not solicit quotes from minority firms in those scopes of work that typically do not have minority firms available that

can perform the work required (elevators, fire suppression systems, roofing, etc.). If there are minority firms that you typically use on your projects then by all means, feel free to use them, if you are sure you are receiving reasonable pricing and quality work.

4. Working with minority trade, community or contractor organization identified by the Office for Historically Underutilized Businesses (HUB) and included in the bid documents that provide assistance in recruitment of minority businesses. **Note:** Minority plan rooms are not applicable.
Provide a copy of meeting minutes between prime contractor and minority trade, community or contractor organization. At minimum the following topics should be discussed/reviewed during the meeting: project location; location where plans and specifications may be obtained or viewed; trade or scopes of work for which subcontracts are being solicited; bonding requirements; insurance requirements; prime contractor's contact person; minority trade, community or contractor organization contact person; strategies to segment elements of the work into economically feasible units to meet minority business availability; strategies to increase minority business utilization through joint ventures and/or partnerships; notification that the meeting will be counted toward the contractor's good faith effort.

Maintain a copy of the request, and have the date, telephone number and name of the individual who acknowledged receipt of your request and information regarding any/all assistance provided by the organization

5. Attending any pre-bid meetings scheduled by the public owner.
Attendance will be verified by conference sign-in sheet.
6. Providing assistance in getting required bonding or insurance or providing alternatives to bonding or insurance for subcontractors.
Have documentation describing the type of assistance provided or offered to minority businesses. Provide names and contacts of minority businesses to which assistance was offered and names of the contact person of bonding companies or financial institutions offering assistance.
Be sure to mention that assistance with bonding and/or insurance will be provided in your IFB.
7. Negotiating in good faith with interested minority businesses and not rejecting them as unqualified without sound reasons based on their capabilities. Any rejection of a minority business based on lack of qualification should have the reasons documented in writing.
Document number of bids received from minority businesses in the trade or scopes of work for which subcontracts are being solicited, the number of minority businesses that submitted low bids or proposals, the number of minority businesses the bidder has offered to negotiate prices or services, and the number of minority businesses the bidder has agreed to utilize on the project, outline steps taken.
8. Providing assistance to an otherwise qualified minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letters of credit, including waiving credit that is ordinarily required or assisting minority businesses in obtaining the same unit pricing with the bidders supplier.
Document names, addresses and telephone numbers of minority businesses to which assistance was offered, outline steps taken. Give dates assistance was offered and document outcome.
Be sure to mention that assistance with equipment, loan capital, lines of credit or joint pay agreements to secure loans, supplies, or letters of credit will be provided in your IFB.
9. Negotiating joint venture and partnership arrangements with minority businesses in order to increase opportunities for minority business participation on a public construction or repair project when possible.

Provide a copy of joint venture or partnership arrangements between bidder and minority businesses.

10. Providing quick pay agreements and policies to enable minority contractors and suppliers to meet cash-flow demands.

Provide a copy of quick pay agreements and/or policies and document the number of minority businesses that will utilize the quick pay agreement. Provide a copy of the quick pay agreement between bidder and minority businesses.

Be sure to mention that quick pay agreements will be provided to assist contractors with cash-flow demands in your IFB.

Note: Referencing the Good Faith Efforts listed above in your IFB is not enough. You must be able to document your efforts.

Affidavit B – Intent to Perform Contract with Own Workforce – In making this certification the bidder is stating that he does not customarily subcontract elements of this type project and normally performs and has the capability to perform and will perform all elements of the work on this project with his own current workforce. The bidder agrees to make a Good Faith Effort to utilize minority suppliers where possible. “**Self-performing**” means the contractor has all equipment, personnel and supplies on hand to perform the contract. If the contractor needs to purchase supplies or rent equipment and operators to perform the work, then the contractor **is not** self-performing and should make efforts to purchase supplies or equipment, or temporary labor from minority firms. **Note:** No other Affidavits are required if the Bidder meets this criteria.

Affidavit C – Portion of the Work to be Performed by HUB Certified/Minority Businesses – This form is to be submitted only by the apparent lowest responsible, responsive bidder with equal to or greater than 10% minority participation.

Affidavit D – Good Faith Efforts – This form is to be submitted only by the apparent lowest responsible, responsive bidder with less than 10% minority participation along with their backup documentation.

Minority-owned Pre-qualified Bidders – **must also** meet the minority participation goals set for the project. Work performed by the minority-owned pre-qualified bidder will be counted towards the minority participation goal **only if** the minority contractor is **self-performing** and submitted Affidavit B.

Certification Requirements – Ensure the minority firms you contact for subcontracting opportunities are listed in the Statewide Uniform Certification (SWUC) Vendor database as **only firms** listed in the SWUC Vendor database, at the time of contract award, **will be counted** towards the minority participation goal for this project. Go to <http://www.doa.nc.gov/hub/searchhub.aspx> for access to the SWUC Vendor database.

Assistance:

Email the UNC Charlotte HUB Coordinator, Dorothy Vick (704-687-0527), **no later than 12:00 Noon, September 20, 2017** to dlvick@uncc.edu (Email Subject: **Sycamore Hall Renovation**) for the following;

1. **Assistance in finding certified minority firms who have worked on UNC Charlotte projects and who can perform the scopes of work (site work, concrete, electrical, etc.) you are seeking, and/or**
2. **A list of minority trade, community or contractor organizations** identified by the Office for Historically Underutilized Businesses that provide assistance in recruitment of minority businesses.



SUBSTITUTION REQUEST

(During the Bidding/Negotiating Stage)

Project: UNCC Sycamore Hall

Substitution Request Number: (For Architect to fill in)

To: Morris Berg Architects

From: Dee Jones / Momentive Performance Materials, Inc

ATTN: Tarik Hameed

Date: 09.13.17

Re: Substitution Request - CSI Section 07 27 26

A/E Project Number: 1004127200

Contract For: Renovation

Specification Title: Fluid-Applied Membrane Air Barriers

Description: CSI Section 07 27 26

Section: 2.3 Page: 4

Article/Paragraph: (A)(1)(e)

Proposed Substitution: GE Elemax 2600 AWB

Manufacturer: Momentive Address: Waterford, NY Phone: 704.805.6234

Trade Name: GE SEC2600 SilShield AWB Model No.: GE Elemax 2600 AWB

Attached data includes product description, specifications, drawings, photographs, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified.

Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.

Submitted by: William D. Jones, II

Signed by: William D. Jones, II

Firm: Momentive Performance Materials, Inc.

Address: Waterford, NY

Telephone: 704.805.6234

A/E's REVIEW AND ACTION

- Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
- Substitution rejected - Use specified materials.
- Substitution Request received too late - Use specified materials.

Signed by:
Tarik Hameed
Morris-Berg Architects

Date:
9/17/17

Supporting Data Attached: Drawings Product Data Samples Tests Reports _____

2.3 VAPOR-PERMEABLE MEMBRANE AIR-BARRIER

- A. Fluid-Applied, Vapor-Permeable Membrane Air Barrier: Synthetic polymer material with an installed minimum dry film thickness according to the manufacturer's written instructions over smooth, void-free substrates.
 - 1. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Prosoco, Spray Wrap
 - b. Pecora XL-Perm VP
 - c. BASF Enershield HP
 - d. Polyguard Airllok Flex WG
 - e. Carlisle Coatings & Waterproofing Barritech VP
 - f. GE Elemax 2600 AWB
 - 2. Physical and Performance Properties:
 - a. Air Permeance: Maximum 0.004 cfm/sq. ft. of surface area at 1.57-lbf/sq. ft. pressure difference; ASTM E 2178.
 - b. Vapor Permeance: Minimum 10.5 perms; ASTM E 96/E 96M.
 - c. Adhesion: Material shall exhibit a minimum adhesion of 15 psi when tested per ASTM D 4541.
 - d. Nail seal ability: No water found on nail shanks, on underside of sheathing, or between sheathing and product coating; ASTM D 1970.
 - e. Fire Propagation Characteristics; Passes NFPA 285 as part of an approved assembly.
 - f. Minimum UV Resistance: Can be exposed to sunlight for 180 Days according to manufacturer's written instructions.
 - g. Water Resistance: Material shall resist 21.6 in water for 5 hours before and after aging when tested per ICC-ES 212.

2.4 ACCESSORY MATERIALS

- A. General: Provide accessory materials required by air-barrier manufacturer to produce a complete air-barrier assembly and compatible with primary air-barrier material and substrate.
- B. Primer: As required for substrate by air-barrier material manufacturer.
- C. Counterflashing Strip: As required for substrate by air-barrier material manufacturer.
- D. Butyl Strip: As required for substrate by air-barrier material manufacturer.
- E. Joint Reinforcing Strip: As required for substrate by air-barrier material manufacturer.
- F. Substrate-Patching Membrane: As required for substrate by air-barrier material manufacturer.
- G. Adhesive and Tape: As required for substrate by air-barrier material manufacturer.
- H. Stainless-Steel Sheet: ASTM A 240/A 240M, Type 304, 0.0187 inch thick, and Series 300 stainless-steel fasteners.
- I. Transition Strip: As required for substrate by air-barrier material manufacturer.
- J. Adhesive-Coated Transition Strip: As required for substrate by air-barrier material manufacturer.
- K. Elastomeric Flashing Sheet: As required for substrate by air-barrier material manufacturer.
- L. Joint Sealant: Manufacturer tested and approved compatible sealant.
- M. Termination Mastic: As recommended for substrate by air-barrier material manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance of the Work.
 - 1. Verify that substrates are sound and free of oil, grease, dirt, excess mortar, or other contaminants.
 - 2. Verify that concrete has cured and aged for minimum time period recommended by air-barrier manufacturer.
 - 3. Verify that concrete is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D 4263.
 - 4. Verify that masonry joints are flush and completely filled with mortar.

DOOR SCHEDULE - BASE BID

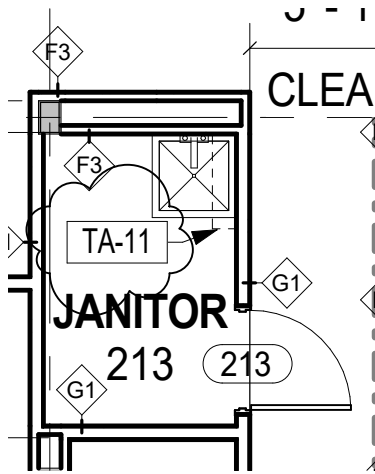
DOOR MARK	Frame Type	Door Material	DIMENSIONS		DOOR			HARDWARE	GLASS TYPE	COMMENTS
			WIDTH	Height	HEAD	JAMB	SILL			
FIRST FLOOR										
100	EXIST		3' - 0"	7' - 0"				18.0	EXIST	EXISTING DOOR - PROVIDE CARD READER AND PANIC HARDWARE
100B	HM-1	WD	2' - 6"	7' - 0"	2A	2B	2C	16.0	NONE	
101	HM-1	WD	3' - 0"	7' - 0"	2A	2B	2C	14.0	NONE	
102	HM-1	WD	3' - 0"	7' - 0"	2A	2B	2C	16.0	NONE	
102B	HM-1	WD	4' - 0"	7' - 0"	2A	2B	2C	13.0	NONE	PROVIDE CARD READER
103	HM-1	WD	3' - 0"	7' - 0"	2A	2B	2C	8.0	NONE	
106	HM-1C	WD	3' - 0"	7' - 0"	1A	1B	1C	12.0	GL-1	
107	HM-E	HM	4' - 0"	7' - 0"	4A	4B	4C	5.0	NONE	
108	HM-1	WD	3' - 0"	7' - 0"	2A	2B	2C	9.0	NONE	
109	HM-1B	WD	3' - 0"	7' - 0"	1A	1B	1C	12.0	GL-1	
110	HM-1	WD	3' - 0"	7' - 0"	2A	2B	2C	12.0	NONE	
SB.1A	EXIST		3' - 0"	7' - 0"				19.0	EXIST	EXISTING DOOR TO RECEIVE NEW HARDWARE, INCLUDING PANIC DEVICES AND HOLD-OPEN
SB.1B	SF		3' - 0"	7' - 0"				2.0	GL-2T	PROVIDE CARD READER
SECOND FLOOR										
200E	HM-F	HM	4' - 0"	7' - 0"	4A	4B	4C	4.0	NONE	
200M	HM-F	HM	4' - 0"	7' - 0"	4A	4B	4C	5.0	NONE	

PURPOSE OF DRAWING: ADDENDUM #1 REVISIONS

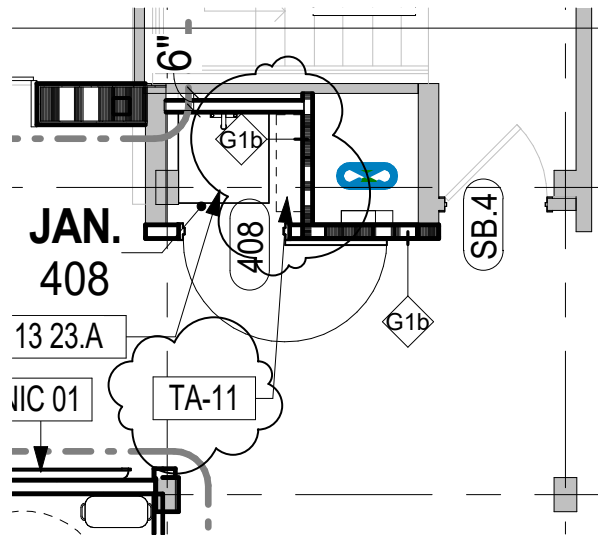
**SYCAMORE HALL
RENOVATION**
9201 UNIVERSITY CITY
BOULEVARD, CHARLOTTE, NC
28223

Morris·Berg
ARCHITECTS
1401 WEST MOREHEAD STREET, SUITE 125, CHARLOTTE, NC 28208
(704) 432-8800 FAX (704) 592-1120

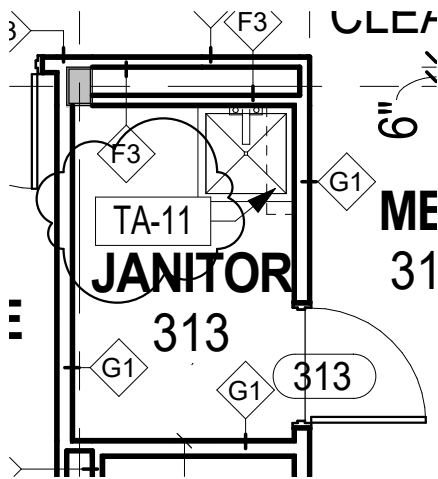
BULLETIN DRAWING TITLE	PROJECT NUMBER
DOOR SCHEDULE REVISIONS, ADDENDUM #1	1610
DRAWING NUMBER	ABD-001
DATE: 09/18/17	



2/AE101 SECOND FLOOR PLAN



2/AE102 FOURTH FLOOR PLAN - BASE BID



1/AE102 THIRD FLOOR PLAN

LOCATIONS.	
NIC-03	PRINTER PROVIDED BY OWNER. SEE ELECTRICAL DRAWINGS FOR OUTLET LOCATIONS.
TA-11	MOP AND BROOM HOLDER

AE101 & AE102 KEYNOTES

PURPOSE OF DRAWING: ADDENDEUM #1 REVISIONS