

NCSU BROOKS HALL PHASE I RENOVATION

50 Pullen Road, Raleigh, NC 27605

SC0#22-25338-02A NCSU#20222002

11 21 24 - ADDENDUM 03

CHANGES TO THE PROJECT MANUAL

- Added verbiage on double wall round spiral ducts to Section 233113. See new text in response to question below.
- Per Section 064116 – all require for AWI Certifications are omitted.

CHANGES TO THE PROJECT DRAWINGS

- A1.0: Hatches and notations have been updated to clarify the scope of flatwork (brick pavers and concrete banding) demo.
- M0.02: Exhaust Fan EF-1 is deleted from the project. Refer to revised M0.02 removing it from the equipment schedule sheet.
- M2.00 and M2.01: Piping sizes indicated on M4.00 have been transferred to floorplans for further clarity. Duct sizes have need added in multiple locations. Note that runouts to each VAV inlet shall be the inlet size of the boxes listed on M0.02 or larger. Comply with detail 6 sheet M5.01 for VAV box installation requirements.

ANSWERS TO QUESTIONS RECEIVED TO DATE

- Q: Per the specifications will we be required to set up a field office onsite, or will we be able to set up in the building? What will be the requirements for temporary restrooms.

[THIS IS STILL UNDER CONSIDERATION BY THE UNIVERSITY]

- Q: Where is the tree called for removal on A1.0 Floor 10 Basement Demolition Plan?

A: Tree has been removed by the University and can be removed from the Contractor's scope. A1.0 has been updated and reissued.

- Q: What is the scope of brick pavers on the project?

A: Per A1.0 (reissued), the existing paver system must be removed per the dimensions or perimeters provided. The hatch in the drawings is a graphic representation, in the field, the areas to be demoed are patchwork system of concrete banding and brick pavers. Aside from replacing any brick pavers that are damaged during construction, there is no significant scope of new pavers as a part of this project.

- Q: On AB-1 the note in the middle of the page says to demolish upper walls to access underlying asbestos. How much of the upper walls are to be demolished?

A: Drawings AB-1- AB-3 are graphic representations of a more detailed asbestos report that can be found in the Specifications (starting on page 86).

- Q: Are all floor finishes new on the project? The floor demo only shows floor demo in certain areas. We'd like to be sure that we have the full scope of the flooring demolition.

A: Floor 1- Basement level currently has carpet tile that will need to be removed and replaced with new carpet tile per the finish schedule. A1.0 identifies locations where the existing concrete slab will need to be removed and repoured. The existing brick pavers/ concrete banding in the new Collab Space (118A), Third Space (118B) and Mechanical (120B) will need to be removed and replaced with a new concrete slab.

- Q: I have not been able to contact Eidolon Designs. Their phone number currently has a call block. Their website has a "security risk" pop up. Do you have an e-mail to someone at Eidolon Designs?

A: Andrew Prioli (andrew@eidolondesigns.com) is familiar with the project scope and can be contacted for bidding.

- Q: Dopko Cabinetry is no longer in business according to google. Phone number has been disconnected.

A: Dopko Cabinetry is still in business and has been alerted about the project. They can be contacted at dopko@dopko.com.

Xylem is the other manufacturer listed and a project contact is jamie@xylemonline.com.

- Q: I have a grader who is requesting CAD files for the civil plans. Could you please provide?

A: There are no civil plans for this project, and there is no grading scope.

- Q: There is an exhaust duct shown going up the chase on detail 01/M3.00 and there is an upblast fan scheduled, but I don't see the fan on the roof drawing. Where does the exhaust fan go?

A: Exhaust Fan EF-1 is deleted from the project. Refer to revised M0.02 removing it from the equipment schedule sheet.

- Q: Where the 2" hot water pipe goes from the mechanical room down into the basement it looks like it'll have to penetrate the slab, then the basement wall. I'll double check tomorrow when I'm there, but assuming it does I see two choices. First, the GC could make a well in the floor that would give us space to run the pipe using current specs, or second we can cut the floor, dig it out and direct bury the pipe in contact with the dirt. Do they have a preference?

If they want it direct buried, I assume they would want to put a different spec out for the hot water pipe. I don't think they would be happy with what they show for chilled water (232113-3.2). I assume they would want pre-insulated piping.

[THIS IS STILL UNDER CONSIDERATION]

- Q: Regarding adjustable frequency drive units, Can you run this up the flag pole and see if they will OK it? NCSU just turned them down on another job because they were not in the specs, but according to NCSU design guidelines Danfoss should be fine, and Square D should not.

A: Approved manufacturers shall be ABB, EATON SQUARE D and YASKAWA as listed.

- Q: Are card readers by owner or GC?

A: By Contractor.

- Q: Is Data wiring by owner or GC?

A: By Owner, Contractor to provide conduit in locations as indicated.

- Q: Are there elevations for the alternate casework? Can it be noted on the plans what exactly is alternate casework wise vs base bid? For example, A3.2 has an elevation that appears to be the coffee buildout for alt 1. Are the melamine backpanels part of the alternate or base bid?

A: The base bid plan indicate fit and finish of walls in the event that a casework alternate is not accepted.

- Q: The 3 Acceptable Cabinet Manufacturers listed in the plastic laminate clad architectural cabinets Spec 064116 have been unresponsive. May we suggest you open up this scope of work to casework companies that can meet all other specific requirements and remove the AWI Certification Program requirement.

A: All 3 cabinet manufacturers are aware of the project, and operating on a normal schedule. For simplicity's sake we have provided email addresses for them above as an answer to another question. As noted in the PreBid meeting, additional manufacturers will be considered. However as of Addendum 03, none have been submitted for consideration. The AWI Certification Program requirement can be omitted - this will be noted above as well.

- Q: Is the exposed spiral located downstream of the VAV Boxes VAV1-04, 05, 06, 07B, 08 going to be Doublewall?

A: All exposed spiral round ducts indicated on rooms 117, 117A, 117B, 188A and 118B shall be double wall round spiral compliant with the following requirements:

1.1 DOUBLE-WALL ROUND AND FLAT-OVAL DUCTS AND FITTINGS

Indicated dimensions are the duct inside clear diameter of inner duct.

A. Outer Duct: Comply with SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Ch.3, "Round, Oval, and Flexible Duct," based on static-pressure class unless otherwise indicated.

1. Construct ducts of galvanized sheet steel unless otherwise indicated, with paintable finish.

2. Transverse Joints: Select joint types and fabricate in accordance with SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Figure 3-1, "Round Duct Transverse Joints," for static-pressure class, applicable sealing requirements, materials involved, duct-support intervals, and other provisions in SMACNA's "HVAC Duct Construction Standards - Metal and Flexible."

a. Transverse Joints in Ducts Larger Than 60 Inches in Diameter: Flanged.

3. Longitudinal Seams: Select seam types and fabricate in accordance with SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Figure 3-2, "Round Duct Longitudinal Seams," for static-pressure class, applicable sealing requirements, materials involved, duct-support intervals, and other provisions in SMACNA's "HVAC Duct Construction Standards - Metal and Flexible."
 - a. Fabricate round ducts larger than 90 inches in diameter with butt-welded longitudinal seams.
 - b. Fabricate flat-oval ducts larger than 72 inches in width (major dimension) with butt-welded longitudinal seams.
 4. Tees and Laterals: Select types and fabricate in accordance with SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Figure 3-5, "90 Degree Tees and Laterals," and Figure 3-6, "Conical Tees," for static-pressure class, applicable sealing requirements, materials involved, duct-support intervals, and other provisions in SMACNA's "HVAC Duct Construction Standards - Metal and Flexible."
- B. Inner Duct: Minimum 24-gauge solid galvanized sheet steel, G60.
- C. Interstitial Insulation: Fibrous-glass liner complying with ASTM C1071, NFPA 90A, or NFPA 90B; and with NAIMA AH124, "Fibrous Glass Duct Liner Standard."- 1. Maximum Thermal Conductivity: 0.27 Btu x in./h x sq. ft. x deg F at 75 deg F mean temperature. 1" thick.
- 2. Install spacers that position the inner duct at uniform distance from outer duct without compressing insulation.
- 3. Coat insulation with antimicrobial coating.
- 4. Cover insulation with polyester film complying with UL 181, Class 1.

**NCSU BROOKS HALL PHASE I RENOVATION
50 PULLEN ROAD, RALEIGH, NC 27605**

SCO#22-25338-02A
NCSU#20222002

PLAN HOLDERS LIST [PREQUALIFIED/SUBMITTED A PLAN REQUEST/ASKED A QUESTION]

ACH Constructors
Bridgepoint General Contracting
~~Daniels & Daniels Construction~~
CMC Building Inc.
~~Consigli Construction~~
CT Wilson Construction
Lomax Construction Inc.
McKenna Construction
~~Messer Construction Co.~~
Monteith Construction
Riggs-Harrod Builders, Inc.
Riley Contracting Group
Salisbury & Moore
~~Shelco LLC~~
WC Construction
The Whiting-Turner Contracting Company
HBTECH
Mechworks Inc.
Interstate Window & Door
CAE [Clean Air Inc.]
Watco Corporation
EHG
R&H Welding LLC
Classic Electric
Johnson Controls
Bernhard
Retro Environmental
Atlantic Building Solutions
Carolina Commerical Contractors
Chroma Coatings
Fuss Demolition
Capital Construction Services
Johns Systems
Baker Roofing
National Firestopping Solutions

**strikethrough - firms who have indicated that they will not be pursuing this project.*