SECTION 00 91 14

ADDENDUM NUMBER 5

PARTICULARS

1.01 DATE: MAY 19, 2021

1.02 PROJECT: RENOVATIONS TO BUCHANAN HALL PHASE II

1.03 PROJECT NUMBER: DCM NO. 2021305

1.04 OWNER: ALABAMA A&M UNIVERSITY

1.05 ARCHITECT: NOLA | VAN PEURSEM ARCHITECTS, PC

TO PROSPECTIVE BIDDERS

2.01 THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND MODIFIES THE BIDDING DOCUMENTS DATED APRIL 7, 2021, WITH AMENDMENTS AND ADDITIONS NOTED BELOW.

2.02 ACKNOWLEDGE RECEIPT OF THIS ADDENDUM IN THE SPACE PROVIDED IN THE PROPOSAL FORM. FAILURE TO DO SO MAY DISQUALIFY THE BIDDER.

2.03 THIS ADDENDUM CONSISTS OF 14 PAGES.

CHANGES TO THE PROJECT MANUAL

3.01 SECTION 23 33 12 – COMBINATION FIRE SMOKE DAMPERS:

   A. Add this section in its entirety.

CHANGES TO THE DRAWINGS

4.01 SHEET A-1.3 – FIRST & SECOND FLOOR PLANS – RENOVATION:

   A. Add Renovation General Note F, to read as follows: “The building elevator shall not be used for the transportation of construction materials.”

4.02 SHEET A-6.3 – STAIR SECTIONS:

   A. Add Note 2 to 7/A-6.3 to read as follows: “New wall brackets evenly spaced as needed at not more than 4’-0” on center.”

4.03 SHEET P-4.1 – PLUMBING SCHEDULES:

   A. Revise this sheet as follows: Delete the “Interceptor Tank Schedule” in its entirety.
4.04 SHEETS M-2.1, M-2.3, M-2.4, AND M-2.5:
   A. Replace these sheets in their entirety. Revisions include:
      1. Changed fire dampers to fire/smoke dampers at locations identified on plans.

4.05 SHEET M-5.4 – MECHANICAL SCHEDULES:
   A. Replace this sheet in its entirety. Revisions include:
      1. Added combination fire/smoke damper with access door to Mechanical Legend.

4.06 SHEET M-6.1 – MECHANICAL DETAILS:
   A. Replace this sheet in its entirety. Revisions include:
      1. Added Field Line Detail.

4.07 SHEET E-0.1 - ELECTRICAL LEGEND:
   A. Replace this sheet in its entirety. Revisions include:
      1. Added motorized damper and duct detector associated with damper to fire alarm legend.

4.08 SHEET E-3.0 - ELECTRICAL FIRST AND SECOND PLAN - POWER AND AUXILIARY:
   A. Replace this sheet in its entirety. Revisions include:
      1. Added motorized damper and duct detector in locations indicated.

4.09 SHEET E-3.1 - ELECTRICAL THIRD AND ATTIC PLAN – POWER AND AUXILIARY:
   A. Replace this sheet in its entirety. Revisions include:
      1. Added motorized damper and duct detector in locations indicated.

END OF ADDENDUM NUMBER 5
SECTION 23 33 12

COMBINATION FIRE/SMOKE DAMPERS

PART 1 – GENERAL

1.01 WORK INCLUDED

A. Provide combination fire/smoke dampers as indicated on the drawings, complete with all accessories specified herein and as required for complete installation.

1.02 REFERENCES

Air Movement and Control Association (AMCA)
National Fire Protection Association (NFPA)
Sheet Metal and Air Conditioning Contractors National Association (SMACNA)
Underwriters Laboratories, Inc. (UL)

1.03 SUBMITTALS

A. Submit catalogue data and shop drawings for all combination fire/smoke dampers and accessories listed under this section.

B. Submit manufacturer’s approved installation instructions for each damper type and application. Submit any supplemental instructions that are required for the installation of the dampers. The installation instructions shall be specific as to the size, quantity and type of all materials required for a UL approved installation.

PART 2 - PRODUCTS

2.01 COMBINATION FIRE/SMOKE DAMPERS

A. Combination fire/smoke dampers shall be factory assembled and shall bear the U.L. label for the fire-resistant rating required at each location. Dampers shall have been constructed and tested in compliance with U.L. Standard 555 and U.L. Standard 555S. Each damper shall have been tested per AMCA 500, to prove closure under the static pressure and dynamic air flow conditions indicated on the drawings. Each damper shall bear an U.L. approved label identifying its classification as a “Dynamic Rated Fire Damper” and shall further be classified by UL as a Leakage Rated Damper for use in smoke control systems.

B. Dampers blades shall be 16 gage galvanized steel and shall be triple crimped. The blades shall be on 6” centers and shall have edge and jamb seals. The blade linkage shall be concealed in the jamb. Bearings shall be Oilite bronze. Axles shall be ½” plated hex. The control shaft shall be ½” round, extending 3” beyond the frame.

C. Fusible links shall separate at 165 degrees F.

D. Provide low resistance type frames. Frames shall be 16 gage galvanized steel and shall provide a free area equal to or exceeding the cross-sectional area of the connecting ductwork when the damper is in the "open" position. Frame styles shall be as required for duct shape and system velocity.

E. Provide all fire dampers with an integral sleeve welded to the fire damper frame. The sleeve shall extend a minimum of 4” on either side of finished wall.
F. Operators shall be the electric type, operating on 24 vac or 120 vac, 60hz and shall have spring return such that the damper will close upon power interruption. All wiring and conduit required to interconnect the damper with the detection and/or alarm or other systems shall be furnished by others.

G. Combination fire/smoke dampers rated for 1-1/2 hours shall be as follows:
   - Ruskin Series FSD60
   - United Air Model D-502
   - Air Balance Inc. Model FS2

H. Product submittals shall include complete manufacturer’s installation instructions. Failure to do so shall be grounds for rejection.

2.02 ACCESS DOORS

A. Duct Access Doors shall be UL labeled, galvanized steel, double panel construction, internally insulated with minimum 1 inch thick fiberglass insulation complete with gaskets.

B. Access doors held in place with sheet metal screws are not acceptable.

C. The location of the access doors shall be coordinated for easy access to the fire damper fusible links.

D. The following access doors are specified to establish the quality of the products. Other products by prior approved manufacturers will be considered.
   1. Rectangular, low pressure duct.
      - Ruskin, Series ADH22, 24 gauge, insulated double skin, with hinged frame connection and cam lock closures. Doors shall be 16” x 16” or large as possible.
   2. Rectangular, high pressure duct.
      - Kees Incorporated, Series ADC-HP, 24 gauge galvanized panel, 22 gauge frame with camlock closures on all sides. Provide safety chain.
   3. Round, low pressure duct.
      - United Air, Series ADC, 22 gauge, spiral compression with conical springs and hand knobs.
   4. Round, high pressure duct.
      - Ductmate Industries, Inc., sandwich access doors with conical springs and hand wheels.

PART 3 - EXECUTION

3.01 COMBINATION FIRE/SMOKE DAMPERS

A. Combination fire/smoke dampers shall be installed in conformance with the manufacturer’s installation instructions, UL 555, UL 555S, NFPA 90A, NFPA92A and SMACNA.

B. Combination fire/smoke dampers shall not be purchased until the shop drawings and installation instructions have been approved.
C. A set of all applicable instructions shall be in a permanent file at the project site and shall be produced upon the request of the Engineer's inspector. Failure to either produce these instructions, or to follow them explicitly for even one (1) combination fire/smoke damper, shall be cause for the contractor to remove all installed dampers.

3.02 ACCESS DOORS

A. Provide duct access doors where fire/smoke damper fusible links and operators when not accessible through other openings. Location and size shall be sufficient to reset fire dampers, replace fusible links and service the operators. Locations and size of each access panel shall be approved by the Engineer. Where access is deemed inadequate, the Contractor shall correct the situation as directed by the Engineer.

END OF SECTION
**CONTROL & MONITORING POINT LIST**

The following items shall be included in addition to those points required to control the systems in accordance with the Sequences of Control:

- Airflow Switches
- 2. Outdoor Air Relative Humidity

**MECHANICAL SCHEDULES**

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<th>SHEET NUMBER</th>
<th>SHEET TITLE</th>
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