1.0 NOTICE TO ALL BIDDERS AND PLANHOLDERS
The Contract Documents for the above-referenced Project are modified as set forth in this Addendum. The original Contract Documents and any previously issued addenda remain in full force and effect, except as modified by this Addendum, which is hereby made part of the Contract Documents. Bidder shall take this Addendum into consideration when preparing and submitting a bid, and shall acknowledge receipt of this Addendum in the space provided on the Bid Form.

2.0 BID SUBMITTAL DEADLINE
The bid submittal deadline remains the same and is not changed by this Addendum.
ADDENDUM #2
Date of Addendum: February 10, 2021
Page 2 of 5

3.0  SPECIFICATIONS
3.1 ADD Paragraph 2.3:

1.1 COMBINATION FIRE/SMOKE DAMPERS

B. Description: Combination fire/smoke dampers, each with frame, sleeve, airfoil blades, and actuator for wall, floor, and ceiling installations, 250 F. Comply with SMACNA. Include UL Fire Resistance Classified Ceiling Diffuser Radiation shields where installed at ceiling diffusers and grilles in fire rated ceilings.

C. Classification: UL 555, UL 555S, NFPA 90A, Leakage Class 1. UL listed and labeled for dynamic systems with airflow in either direction. Include label indicating maximum allowable air quantity of 11 cfm/sq ft at 8 inch w.g. for fan driven air flow installations and 8 cfm/sq ft at 4 inch w.g. for relief and transfer air installations. 1-1/2 hour fire rated in general. Refer to Architectural drawings for fire ratings of general construction.

D. Performance Rating: AMCA listed and labeled meeting AMCA 511 certifying air performance and air leakage performance.

E. Size: Free area inside sleeves and within damper stop minimum 90 percent of area of connecting duct. Provide larger damper size to maintain 90 percent free area. Increase size of damper if duct sizes indicated on the Drawings are smaller than manufacturer’s available sizes.

F. Blades: Airfoil type, double skin, 6 inch maximum width. Single airfoil shaped blade for blade width extensions.

G. Heat-Actuated Temperature Release Device: Pneumatic fuse link for controlled closure and automatic reopen after test, smoke detection, and power failure. 165 F activation temperature for duct air temperature less than 115 F and 212 F for duct air temperatures 115 F and higher, 250 F elevated temperature rated.

H. Smoke Detector: Integral, factory mounted outside of sleeve with sensing tube in air stream, factory wired for single-point connection.

I. Fire Thermostat Assembly: Factory installed and tested assembly to permit remote damper operation after initial closure. Include blade damper indicator switch and high
limit temperature sensor with manual reset. Automatic reset to normal position when fire alarm system is reset.

J. Sleeves: Galvanized steel, gage as required to meet manufacturer’s installation instructions, factory mounted to damper with sealant between sleeve and damper.

K. Actuator: Factory installed, electric, 120 V, 60 cycle, 1 phase, actuator and linkage mounted out of air stream, normally closed (damper closes when power is interrupted), maximum 0.18 amp when running, 0.11 amp at full open, and close in 15 seconds. Electric actuators rated for energized hold open position of 6 months or more, Ruskin H2000 Series as manufactured by Honeywell or equivalent to actuators manufactured by Honeywell for other approved manufacturers list below.


### 4.0 DRAWINGS

<table>
<thead>
<tr>
<th>Item</th>
<th>Drawing No.</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1</td>
<td>M3.2</td>
<td>ADD combination fire/smoke damper to the re-purposed fume exhaust duct at the shaft wall penetration. Refer to revised M3.2, attached.</td>
</tr>
<tr>
<td>4.2</td>
<td>M4.1</td>
<td>ADD combination fire/smoke damper to the re-purposed fume exhaust duct at the shaft lid/wall penetration. ADD controls to shutdown EF 88-02-04 upon signal from the fire alarm panel. Refer to revised M4.1, attached.</td>
</tr>
<tr>
<td>4.3</td>
<td>ED6.2</td>
<td>REVISE sheet note 5. Refer to revised ED6.2, attached.</td>
</tr>
<tr>
<td>4.4</td>
<td>E3.2</td>
<td>ADD homerun for circuit 2FS3-14 for connection to combination fire/smoke damper to the re-purposed fume exhaust duct at the shaft wall penetration. ADD homerun for circuit N3-78 for connection to combination fire/smoke damper to the re-purposed fume exhaust duct at the shaft lid/wall. Refer to revised E3.2, attached.</td>
</tr>
</tbody>
</table>
### 4.0 DRAWINGS

<table>
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<tr>
<th>Item</th>
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<th>Description of Change</th>
</tr>
</thead>
</table>
| 4.5  | E5.2        | **ADD** fire alarm connection to combination fire/smoke damper to the repurposed fume exhaust duct at the shaft wall penetration.  
ADD fire alarm connection to combination fire/smoke damper to the repurposed fume exhaust duct at the shaft lid/wall.  
Refer to revised E3.2, attached. |
| 4.6  | E6.2        | **REVISE** flag note 6 and 7.  
**ADD** sheet note 2.  
Refer to revised E6.2, attached. |
| 4.7  | E10.1       | **ADD** power load analysis for circuits N3-78 and Panel N3. Refer to revised E10.1, attached.  
**REVISE** panel schedule 2FS3 to show new connection to fire smoke dampers. |

### 5.0 QUESTIONS AND ANSWERS

The following questions and answers are provided as a matter of information to clarify issues raised about the Contract Documents. To the extent that changes to the Contract Documents are required based on the questions received, the Contract Documents have been modified as noted above in the Specifications and Drawings sections of this Addendum.

<table>
<thead>
<tr>
<th>Item</th>
<th>Question:</th>
<th>Answer:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1</td>
<td>What is the height of the floor to structure above?</td>
<td>See attached document, F Wing Bldg. Section_02.01.21, to clarify structure height.</td>
</tr>
</tbody>
</table>

### 6.0 INFORMATION

The following item(s) are provided as a matter of information only to all bidders and plan holders and do not modify or become part of the Contract Documents.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>Attached to this Addendum is the Power Point presentation that was used in the Pre-Bid Meeting</td>
</tr>
<tr>
<td>6.2</td>
<td>Attached to this Addendum is the Pre-Bid Meeting attendee List.</td>
</tr>
</tbody>
</table>

**END OF ADDENDUM**