ADDENDUM 1:

Project: Guilford County Schools; Northeast High School Bond Renovation

Address: 6700 McLeansville Rd. McLeansville NC 27301

Date: 04/04/24

- 1. See attached Bid Bond form for use in bidding documents.
- 2. See attached structural letter with reinforcing instructions.
- 3. Where plans specify ceiling grid to be lowered. The existing grid shall be demolished, and the new grid shall be erected in it's place. Plan on replacing 64,500 sqft of ceiling tiles.
- 4. On Sheet M1.4: Area 2 Mechanical Plan. VUV shall be plenum supply. Note: 8
- 5. On Sheet M0.2; Schedule for the single package unit ventilators: VUV-3, VUV-4, VUV-5 omit accessories number 2. VUV-1 & VUV-2 omit accessories number 4. Add accessories number 4 to VUV-3, VUV-4, VUV-5 schedule.
- 6. Vertical Unit Ventilators shall conform to the below specification:
 - a. Submittals
 - Submittals for Single Packaged Vertical Indoor Mount heat pump or air conditioner shall include equipment performance, dimensions and electrical requirements. Two stage equipment shall include the following performance data: CFM, EER, COP, IPLV, Total, Sensible, Latent capacities at standard AHRI conditions and for all stages of operation.
 - ii. Factory tested sound data per ANSI S12.60. Dba levels at all operating conditions and ERV speeds including exterior sound level.
 - iii. Complete exterior Louver performance information. Louver shall be provided by SPVU Manufacturer.
 - iv. Factory Warranty documentation verifying 5-year compressor and 5-year parts warranty.
 - v. Control submittal if controller is provided by equipment manufacturer.
 - b. Quality Assurance
 - i. Design, construction, testing and installation shall comply with the following standards as applicable:
 - 1. UL or ETL classified in accordance ANSI/UL 1995/CSA 22.2 No. 236-05 fourth edition.

- 2. Certificate of performance by AHRI or another independent third-party testing agency. AHRI or third-party testing will be in accordance with the Air Conditioning Heating and Refrigeration Institute (AHRI) Standard 390-2003 for Single Package Vertical Units (SPVU). Self-test data provided "In accordance with AHRI 390-2003" will not be accepted or considered as alternate. Consideration for exceptions will require testing by a third-party agency preapproved by the specifier and accompanying statement of indemnification from the Manufacturer.
- ii. Unit shall be manufactured by an ISO 9001:2015 Certified Manufacturer.
- c. Operating Characteristics
 - i. Unit shall be capable of simultaneous heating duty and defrost cycle operation when using accessory electric strip heat. Unit electric nameplate shall display required electric circuit. Factory installed adjustable control, allowing for optional low amp draw operation preventing simultaneous operation of compressor and strip heat, shall not be allowed. Only dedicated low ampacity units manufactured and shipped with correct electric nameplate data shall be accepted.
 - ii. Indoor supply airflow shall automatically adjust to maintain constant cfm at rated airflow independent of external static pressure up to .5" WC.

d. Warranty

- i. Unit shall include a full 5-year parts and labor warranty covering compressor, sealed refrigeration system, heat exchange coils and ventilation packages as defined by the terms and conditions of Bard Limited Warranty agreement. Labor is excluded in the Bard standard warranty. Any non-equivalent 5-year compressor or 1 year parts warranty shall not be accepted. All parts warranty documentation shall be included in submittal data. Any exceptions to the Manufacturers standard warranty must be acknowledged in writing by the Manufacturers Senior Manager.
- e. Training, Technical Support and Owner Training
 - i. Factory Startup Service provided by unit manufacturer to include individual unit Startup Reports and Owner Training.
- 7. Panel "M" on Panel schedule on sheet E0.1 is mislabeled and should be marked as Panel "BP".
- 8. Disconnects that are integral to equipment (RTU's, VFD's, etc..) are to be circuit breakers. Stand alone circuit breakers are to be fused.

- The bids must be sealed and delivered in person to 501 West Washington St. Greensboro, NC 27401 on April 10th, 2024 before 1:30 pm. It will be opened and read out loud.
- 10. The contract time will be extended to 07/31/2025 as the completion date.

Regards,

Hakeem R. Bailey, P.E.

Principal Project Manager,

8511 Davis Lake Parkway, Suite C6-205 Charlotte NC 28269

Office: (704) 469 8463

hakeembailey@aeroraq.com



North Carolina Firm License Number - C3406

March 25, 2024

Mr. Hakeem Bailey, PE Aeroraq Engineering, Inc 8511 Davis Parkway, Suite C6-205 Suite C6-205 Charlotte, NC 28269

Re: Northeast High Bond Renovation (SCPC Project No. - 2024.19.0010) 6700 McLeansville Road McLeansville, NC 27301

Mr. Bailey:

From our understanding, the below listed HVAC equipment will be installed at the existing roof structure of the above noted project site. The equipment will be located as shown on sheets M1.1 and M1.3 of the mechanical plans by Aeroraq Engineering Inc. (Aeroraq) dated January 04, 2023. The existing roof is composed of concrete roof deck.

Rooftop (Above Roof Deck) HVAC Equipment:

- RTU-1: 6109lbs (Replacement) / Existing Unit: 9500lbs
- RTU-2A: 5773lbs (Replacement) / Existing Unit: 5229lbs
- RTU-2B: 5773lbs (Replacement) / Existing Unit: 5229lbs
- RTU-3: 3348lbs (Replacement) / Existing Unit: 5000lbs
- RTU-4: 3248lbs (Replacement) / Existing Unit: 3697lbs
- RTU-5: 7245lbs (Replacement) / Existing Unit: 7200lbs
- RTU-8: 580lbs (Replacement) / Existing Unit: 505lbs
- RTU-9: 580lbs (Replacement) / Existing Unit: 505lbs
- RTU-10: 580lbs (Replacement) / Existing Unit: 505lbs
- RTU-11: 660lbs (Replacement) / Existing Unit: 306lbs
- RTU-12: 660lbs (Replacement) / Existing Unit: 505lbs
- RTU-13: 580lbs (New)

All of the RTUs, except RTU-13, will be replacement units. Based on the review of the weights of the replacement units in comparison to the existing units, the existing structure is adequate to support the replacement units. The replacement RTU weights are in accordance with the mechanical schedules on sheet M0.1. The existing unit weights were provided by the mechanical engineer of record. All unit weights should be confirmed by the mechanical engineer and/or general contractor prior to the commencement of construction activities.

RTU-13 is a new unit. The required opening for RTU-13 should be supported by L4x4x5/16 angle on all (4) sides. The (2) angles parallel to the unit long direction should extend a minimum of 6ft beyond the opening on either side. All the angles should be attached to the concrete slab with 3/8'' diameter Simpson Titen HD concrete screw anchors at 12'' o..c. The anchors should be embedded a minimum of $2\frac{1}{2}''$ into the concrete slab.

Based on our analysis, the existing concrete roof framing is adequate to support the noted HVAC equipment, if installed in accordance with the above-stated conditions.

If there are any questions, feel free to give me a call directly.

Sincerely,

Structural Capacity, PC

adrian S. Derham

Adrian S. Durham, PE, SE



BID BOND FORM Section 00 43 13

KNOW ALL MEN BY THESE PRESENTS, That we,

(Bidder's Name)		
	, of	
(Street Address)	(City, State, Zip)	
Hereinafter called the Principal,	and	
(Surety's Name)		
A corporation organized and existing under the Laws of the State of		, and
authorized to transact business in the State of		, as Surety, hereinafter
called Surety, are held and firm	mly bound unto the	
(Owner).		

Hereinafter called Obligee, in the Penal sum of five percent (5%) of the amount bid, good and lawful money of the United States of America, for the payment of which the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

The Condition of this Obligation is such, that, WHEREAS the Principal has submitted a proposal to the Obligee on a contract for the construction

of _____

(Contract Name and Number)

NOW THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a contract with the Obligee is accordance with the terms of such bid, and give such bond or bonds as may be specified in the Bidding or Contract Documents with good and sufficient surety for the faithful performance of such construction for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith

BID BOND FORM Section 00 43 13

contract with another party to perform the Work covered by said bid, then this obligation shall be null and void; otherwise to remain in full force and effect.

In witness	s whereof, we have hereunto set our signatures and seal this	day of
	, 20, all pursuant to due authorization.	
		(Caal)
	Principal	(Seal)
	rincipai	
	By	
	Surety	
	Ву	
	Attorney-in-Fact in accordance with the attached Power of Attorney	
STATE OF	F)	
ss:		
COUNTY	OF)	
I,	, a Notary Public in and for the State and County	
aforesaid, d	do hereby certify that, and	
	, whose names are signed to the foregoing bond, this day	
personally a	appeared before me in my State and County aforesaid and acknowledged the sam	e.
Given u	under my hand seal this day of, 19	
		(Seal)
	Notary Public	. ,

My Commission expires: