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**Arlington Public Schools  
Purchasing Office**

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**NOTICE OF ADDENDUM NO. 2**

**Issued on January 9, 2018**

**TITLE:                    RANDOLPH ELEMENTARY SCHOOL HVAC IMPROVEMENT  
PROJECT**

**ITB NO.:                39FY18**

**ITB CLOSING DATE     PRIOR TO 11:30 A. M., (LOCAL PREVAILING TIME) ON  
AND TIME:             JANUARY 16, 2018**

**The following changes are made to ITB 39FY18 and form part of Addendum 2:**

**1) BID CLOSING DATE AND TIME:**

**Bids must be received prior to 11:30 a. m., (Local Prevailing Time) on and time: January 16, 2018**

**2) Modifications to Specifications:**

- a) Specification Section 236423 – Scroll Water Chillers
  - i) ADD Paragraph 2.1, D., 5. d. Attenuation shall be applied to meet a maximum of 65 dBa sound pressure level and 91 dba sound power level.
  - ii) MODIFY Paragraph 2.1, G. Compressor Motor Controllers, 1. Starters shall meet UL1995 rated power for outdoor use.
  - iii) DELETE Paragraph 2.1, H. 3., “a hot gas muffler”.
  - iv) ADD Paragraph 2.1, I., 5. Proof of flow switch shall be provided by the equipment manufacturer and installed the correct number of pipe diameters from any elbow and in the correct orientation.

- v) ADD Paragraph 2.1., K., 1., a Strainer shall be installed with a blowdown valve to facilitate periodic cleaning of the strainer to prevent clogging.
  - vi) MODIFY Paragraph 2.1., O. Accessories, 1. Factory-furnished, **factory installed** chilled-water flow switches.
- b) Specification Section 238219 – Fan Coil Units –
- i) ADD Paragraph 1.4 ACTION SUBMITTALS, D. A paragraph by paragraph specifications review shall be provided detailing compliance or detailing any and all deviations.
  - ii) MODIFY Paragraph 1.7 MAINTENANCE MATERIAL SUBMITTALS, A., 1. Fan-Coil-Unit Filters: Furnish 1 spare filter for each filter installed, **1” MERV 8**.
  - iii) DELETE “and drain valve”, from Paragraph 2.2, I, Hydronic Coils.
  - iv) MODIFY Paragraph 2.2, Q. Condensate Pumps: to include the following: **Shall be furnished and installed by Contractor. Condensate pumps shall have a separate power supply from the fan coil unit.**
  - v) DELETE “and drain”, from Paragraph 2.3, H. Hydronic Coils.
  - vi) MODIFY Paragraph 2.3, I. Direct-Driven Fans: Double width forward curved, centrifugal; with **ECM motor** mounted in fan inlet.
- c) Specification Section 237433 – Dedicated Outdoor-Air Units –
- i) MODIFY Paragraph 2.6., D. Fan wheel, motor, and drives shall be mounted to fan casing with neoprene isolators”.
  - ii) MODIFY Paragraph 2.7., D. Fan wheel, motor, and drives shall be mounted to fan casing with neoprene isolators”.
  - iii) ADD Paragraph 2.8 ACCESSORIES, C. Strip Heater in control panel.

### 3) Modifications to Drawings:

- a) M7.2 – Detail 1 – MODIFY note regarding concentric increaser.
- b) M7.2 – Detail 3 – Fan Coil Piping Detail – ADD drain valve to hot and chilled water coil connections.
- c) M7.4 – Detail 4 – Typical Gas Connection Detail – MODIFY notation regarding pressure reducing valve.
- d) M8.0 – MECHANICAL SCHEDULES – OUTSIDE AIR UNIT SCHEDULE – OA-2 – MODIFY COOLING COIL CAPACITY, COIL ENTERING AIR CONDITIONS, LEAVING AIR CONDITIONS, AND HEATING COIL ENTERING/LEAVING CONDITIONS AND CAPACITY.

- e) M8.0 – CHILLER SCHEDULE – ADD MAX SOUND POWER LEVEL and modify chiller EER.
- f) M8.1 – MECHANICAL SCHEDULES – MODIFY VARIABLE VOLUME BOX SCHEDULE.
- g) M9.0 – GENERAL BAS NOTE #6 – DELETE portion of note stating “ALL ALARMS SHALL BE PROVIDED WITH A VISUAL (LIGHT) AND AUDIBLE (HORN) ANNUNCIATION...”.
- h) M9.0 – GENERAL BAS NOTE #7 - MODIFY reference to Tridium Niagara 4. The Basis of Design manufacturer is Automated Logic Controls. Refer to modified note for additional contact information.
- i) M9.0 – GENERAL BAS NOTE #8 – MODIFY hardware reference from Tridium Jace 8000 to Automated Logic Controls.
- j) M9.0 – GENERAL BAS NOTE #10 – MODIFY verbiage regarding smoke detectors and smoke detector installation.
- k) M9.0 – GENERAL BAS NOTE #12 – DELETE NOTE IN ITS ENTIRETY.
- l) M9.0 – GENERAL BAS NOTE #15 – MODIFY verbiage relating to intent of control for global temperature sensor.
- m) M9.0 – GENERAL BAS NOTE #23 – MODIFY verbiage relating to utility monitoring and existing meters.
- n) M9.1 – DETAIL 1 – EXHAUST FAN – CONTINUOUS (EF-1, EF-2, EF-3) – MODIFY Note #6 – Interface – “...shall connect to the ALC BAS System...”.
- o) M9.1 – DETAIL 4 – MISCELLANEOUS CONTROLS – MODIFY Note #6 – Interface – “...shall connect to the ALC BAS System...”.
- p) M9.1 – DETAIL 4 – MISCELLANEOUS CONTROLS – DELETE Dampers (D-) control schematic and associated points.
- q) M9.1 – MECHANICAL CONTROLS – ADD DETAIL 5 – GAS METER AND DETAIL 6 – ELECTRIC METER.
- r) M9.2 – MECHANICAL CONTROLS CONT. – ADD CLARIFICATION NOTE TO POINTS LIST REGARDING ADDITIONAL INFORMATION ON POINTS – FURNISHED BY, INSTALLED BY, ETC.
- s) M9.3 – DETAIL 1 – PACKAGED ROOFTOP UNIT CONTROLS (RTU-2) – MODIFY SEQUENCE OF OPERATIONS SUMMARY, NOTE #6 – THE CONTROLLER SHALL CONNECT TO THE ALC BAS...”.
- t) M9.3 – DETAIL 1 – PACKAGED ROOFTOP UNIT CONTROLS (RTU-2) DELETE PARAGRAPH 4, MODES OF OPERATION, RELATED TO POLLING AND MONITORING OF AIRCUIITY, CO2, ETC.

- u) M9.3 – MECHANICAL CONTROLS CONT. – ADD DETAIL 3 – WATER METER.
- v) E1.0 – ELECTRICAL LEGEND - ADD symbol for duct smoke detector.
- w) E4.1A – POWER NEW WORK – MODIFY symbol for manual motor disconnect.
- x) E6.0 – POWER RISER DIAGRAM – ADD grounding notes. Modified connection to Panel EMG
- y) E5.1A – NEW LIGHTING - MODIFY lighting controls and added emergency lighting.
- z) E5.1B – NEW LIGHTING - MODIFY lighting controls and added emergency lighting.
- aa) E5.1C – NEW LIGHTING - MODIFY lighting controls and added emergency lighting. Modified lighting control details.
- bb) E5.2B – NEW LIGHTING - MODIFY lighting controls and added emergency lighting.
- cc) ADD - General Note: All exterior VFDs and Disconnect Switches shall be in a NEMA 3R weatherproof enclosure.

**A link to the revised drawings is provided below:**

<https://downloads.cmtaegr.com/?ShareToken=2AAC525ACB17DC2ABAE017B7F26965B65FFDEACE>

**This Addendum No. 2 must be signed, dated and received in the Purchasing Office prior to the date and time stated above “OR” acknowledgment of receipt of this Addendum may be noted on the Bid Form on Page 3.**

**NAME OF BIDDER:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**ISSUED BY:**

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