THE SCHOOL DISTRICT OF PHILADLPHIA
SCHOOL REFORM COMMISSION
Office of Capital Programs
440 North Broad Street, 3rd Floor – Suite 371
Philadelphia, PA 19130

TELEPHONE: (215) 400-4730

Addendum No. 1

Subject: Alexander Adaire Elementary School – Mechanical Plant Replacement
SDP Contract No. B-119C, B-120C, B-121C of 2016/17

Location: Alexander Adaire Elementary School
1300 E. Palmer Street
Philadelphia, Pennsylvania 19125

This Addendum, dated May 4, 2018, shall modify and become part of the Contract Documents for the work of this project. Any items not mentioned herein, or affected by, shall be performed strictly in accordance with the original documents.

The following items, clarifications and/or revisions are to be included in the Contract Documents:

1. The Date for the Opening of Bids has been extended until **Tuesday, May 15, 2018**

2. Section 01 1000 SUMMARY OF WORK

1.03 WORK COVERED BY CONTRACT DOCUMENTS

SUMMARY:

DELETE NOTE about Temporary Heat if new plant is not operational by **October 1, 2018**

(However, Temporary Heating requirements in SECTION 1.04 B may apply to the 2019-2020 heating season, if new plant is not operational by October 1, 2019)

3. Section 01 1300 TIME OF COMPLETION, etc.

1.2 TIME OF COMPLETION

A. **REVISE** date for **Substantial Completion** to **December 31, 2019**

B. **REVISE** date for **Final Completion** to **February 28, 2020**

DELETE NOTE about Temporary Heat if new plant is not operational by **October 1, 2018**

(However, Temporary Heating requirements in SECTION 1.3 MILESTONES paragraph 2 may apply to the 2019-2020 heating season, if new plant is not operational by October 1, 2019)

3. CHANGES TO SPECIFICATIONS:

1. Section 232113 – Hydronic Piping: Add paragraph 3.1D as follows:
   "D. The District does accept Uponor Wirsbo hePEX (crosslinked polyethylene) for piping 3-inch and smaller.

   1. PEX hot water distribution systems: ASTM F877.
   2. ASTM E814 for through-penetration fire stop up to 3-inch.
   3. ASTM E84 for plenum applications up to 3-inch.
   4. Operation ratings up to 720 hours: 150-psig working pressure at 210 deg F operating temperature.
   5. Continuous ratings: 100-psig working pressure at 180 deg F operating temperature.
   6. 25-year warranty.
   7. Comply with manufacturer's product and installation requirements for suspending piping support and compatible manufactured fittings.
   8. Comply with mechanical insulation requirements for heating hot water supply and return piping in Section 230719."

2. Section 235216 - Condensing Boilers: Replace paragraph 1.7A as follows:

   "A. The school heating season begins October 1 and ends April 30 during each academic year.

   The Contractor shall coordinate sequencing of the demolition of the existing boiler system with the new work such that a complete and functional heating system to the school is operational from **October 1** through **April 30 during each year of the project term**.

   If the **existing** or new system is not fully operational and providing the necessary heat before **September 30,** the Contractor shall provide at their expense a mobile trailer with sufficient boiler horsepower heating capacity, associated equipment and fuel to maintain a minimum of 70°F in the school from **October 1** through **April 30**.

   All cost of installation and maintaining utility services including natural gas and electricity as required to support the temporary heating equipment shall be the responsibility of the Mechanical Contractor. Installation of utility hookups shall be coordinated with and in compliance with the prevailing utilities requirements. The Contractor shall be responsible for the operation of the new boilers until final acceptance by the School District."

3. Section 235216 – Condensing Boilers: Replace paragraph 3.2D as follows:
   "D. Packaged, factory-fabricated and assembled condensing boilers are intended to fit through standard door openings. The Mechanical Contractor shall remove and reinstall existing doors and door frames (as required) between building exterior and boiler room as required to deliver boilers into the boiler room."

4. Section 237300 – Modular Air Handling Units: Add the following to paragraph 3.2A:
   "The Mechanical Contractor shall remove and reinstall existing doors and door frames (as required) between building exterior and unit location as required to deliver air handling unit sections."

5. Section 238223 – Unit Ventilators: Add the following to paragraph 2.3B:
   "Shelving construction shall match requirements in this section with panels constructed of minimum 16-gauge steel."

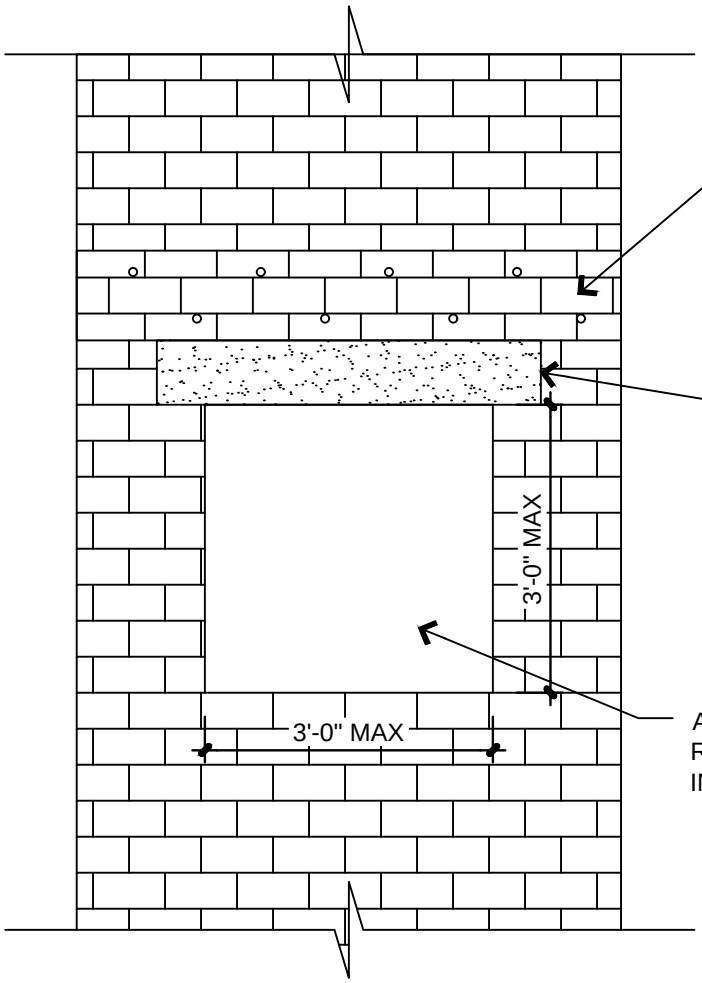
CHANGES TO DRAWINGS:

1. Drawing S2.0 – Chimney Opening Detail: Add Detail F4 as shown on attached Drawing SK-1.
2. Drawing M0.0 – General Notes: Delete General Note 15.
3. Drawing M0.0 – Mechanical Abbreviations and Symbols Legend: Add the following:

"(X) Existing to be removed"

4. Drawing M1.0 – Basement Floor Plan – Mechanical Demolition: Add Demolition Note 6 at two (2) locations on the boiler room east exterior wall corresponding with Key Note 1 on Drawing M2.2.
5. Drawing M1.0 – Basement Floor Plan – Mechanical Demolition: Add Demolition Note 15 as follows with note reference to center louver on the boiler room east exterior wall:
   "15. Existing combustion air louver to remain. Remove associated damper, controls and accessories."
6. Drawing M2.2 – Boiler Room Plan – Mechanical Above 8'-0": Change "48-inch wide and 16-inch high" to "53-inch wide and 24-inch high" under Key Note 1.
7. Drawing M2.2 – Boiler Room Plan – Mechanical Above 8'-0": Change "20 feet above sidewalk" to "30 feet above sidewalk" under Key Notes 3 and 4. Note: This elevation is near the roof line.
8. Drawing M2.4 – First Floor Plan – Mechanical: Change "14-gauge steel" to "16-gauge steel" under Key Notes 2, 3 and 4.
9. Drawing M2.5 – Second Floor Plan – Mechanical: Change "14-gauge steel" to "16-gauge steel" under Key Notes 2, 3 and 4.
10. Drawing E0.0 – General Notes: Delete General Notes 4, 7, 10, 12, 13 and 16.
11. Drawing E2.4 – First Floor Plan – Electrical: Add Key Note 5 as follows with note reference to Classrooms 100, 101, 102, 104, 105, 106 and 107:
    "5. Remove existing surface mounted raceway, box and associated coaxial cable located in exterior corner of classroom above the existing perimeter casework. The Mechanical Contractor will install a new hot water piping riser at this location."

End of Addendum



LOCATION: GENERAL CONTRACTOR SHALL PROVIDE OPENING IN EXISTING CHIMNEY ON THE SECOND FLOOR (CORRIDOR SIDE).

RESTORATION: AFTER NEW BOILER BREECHING IS COMPLETED BY THE MECHANICAL CONTRACTOR, THE GENERAL CONTRACTOR SHALL PROVIDE MASONRY INFILL OF THE OPENING. MASONRY INFILL SHALL MATCH FULL WALL DEPTH OF EXISTING CHIMNEY. FINISHED SURFACE SHALL BE FLUSH WITH ADJACENT WALL AND PAINTED TO MATCH THE EXISTING ADJACENT WALL.

NOTE: CHIMNEY WORK SHALL NOT BEGIN UNTIL EXISTING BOILERS ARE PERMANENTLY REMOVED FROM SERVICE.

F4 CHIMNEY OPENING DETAIL
NOT TO SCALE

DRAWING NO. SK-1

SPEC NO. B-119/120/121C 2017/18
SCALE NOT TO SCALE
DATE 04/17/2018

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SCHOOL
ADAIRE ELEMENTARY SCHOOL
PROJECT TITLE
MECHANICAL PLANT REPLACEMENT
DRAWING TITLE
CHIMNEY OPENING DETAIL