



TETRA TECH

240 Continental Drive, Suite 200
Newark, Delaware 19713
Tel. (302) 738-7551
Fax (302) 454-5989/5988

Addendum No. 7

Brandywine School District
Wilmington, DE

Bid No.: BSD 18005-GCSERVICES-CARRCROFT

Brandywine School District – Carrcroft Elementary School Addition and Renovation

Tt Project No. 200-15704-17001

Addendum No. 7 to Drawings and Project Manual

February 2, 2018

To: ALL BIDDERS

This ADDENDUM forms a part of the BIDDING AND CONTRACT DOCUMENTS and modifies the following documents:

Original DRAWINGS dated December 12, 2017

PROJECT MANUAL dated December 12, 2017.

Acknowledge receipt of the ADDENDUM in the space provided on the FORM OF PROPOSAL

This ADDENDUM consists of four (4) pages not including the attachments:

1.0 PROJECT MANUAL – MODIFICATIONS

1.1 Specification Section 05 52 13 PIPE TUBE RAILINGS, **DELETE** this specification in its entirety.

1.2 Specification Section 05 52 00 METAL RAILINGS, **DELETE** this specification in its entirety.

1.3 Spec Section 23 04 50; Refrigerant Equipment – HVAC

1.3.1 Page 230450-7, Paragraph 2.2.K.2: **REPLACE** with the following:
“2. Attenuator shall be lined with sound absorbing fiberglass acoustical baffles”.

1.3.2 Page 230450-7, Paragraph 2.2.K: **ADD** the following:
“3. Acoustic Performance:”

Sound Power (dB)							
Octave Band & Center Frequency							
"1	2	3	4	5	6	7	8
63	125	250	500	1000	2000	4000	8000
100	97	95	92	91	89	88	82

1.4 Specification Section 04 22 00 UNIT MASONRY: **REPLACE** paragraph 2.9 Flashing Materials with the following:

2.9 EMBEDDED FLASHING MATERIALS

- A. Metal Flashing: Provide metal flashing as follows:
 - 1. Stainless Steel: ASTM A 240/A 240M or ASTM A 666, Type 304, 0.016 inch thick.
 - 2. Fabricate through-wall flashing with snaplock receiver on exterior face where indicated to receive counterflashing.
- B. Flexible Flashing: Use the following unless otherwise indicated:
 - 1. Butyl Rubber Flashing: Composite, self-adhesive, flashing product consisting of a pliable, butyl rubber compound, bonded to a high-density polyethylene film, aluminum foil, or spunbonded polyolefin to produce an overall thickness of not less than 0.040 inch.
 - a. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1) DuPont Building Innovations: E. I. du Pont de Nemours and Company.
 - 2) GCP Applied Technologies Inc. (formerly Grace Construction Products).
 - 3) Protecto Wrap Company.
 - 4) Raven Industries, Inc.
 - 5) Wire-Bond.
- C. Drip Plate (edge): 3" wide with smooth factory-formed hemmed edge for installation safety and uniform appearance. Fabricated from Type 304 or Type 316 Stainless steel.
- D. Application: Unless otherwise indicated, use the following:
 - 1. Where flashing is indicated to receive counterflashing, use metal flashing.
 - 2. Where no counterflashing is indicated, use flexible flashing with stainless steel drip plate.
- E. Adhesives, Primers, and Seam Tapes for Flashings: Flashing manufacturer's standard products or products recommended by flashing manufacturer for bonding flashing sheets to each other and to substrates.
- F. Termination Bars for Flexible Flashing: Stainless steel bars 1/8 inch by 1 inch.

3 **DRAWINGS – MODIFICATIONS**

3.9 Drawing A-101; FIRST FLOOR NEW CONSTRUCTION PLAN

3.9.1 **DELETE** New Construction Keynote #20 for new window sills in rooms: VP 131 and Principal 135.

- 3.9.1.1 These were removed in the floor plan issued in addendum #4 but we forgot to bubble the change.

3.10 Drawing A-601; DOOR SCHEDULE, WINDOW & DOOR DETAILS

3.10.1 Window Head 2 (WH2): **DELETE** the following note "METAL TRIM AND CLIP AS REQ'D TO COVER GAP. FINISH TO MATCH ADJ. VENEER"

4 CONTRACTOR QUESTIONS:

4.9 **Question:** The spec is unclear whether or not inlet attenuation is required:

 “230450 2.2: K. Discharge Sound Attenuation

1. A sound attenuator designed and constructed by the tower manufacturer shall be provided at the tower air discharge.
2. The materials of construction and lining shall be as described for intake sound attenuation.”

Response: Sound attenuator is only required on the discharge.

4.10 **Question:** Also, there is no required sound level specified:

 “230450 2.2.:

N. Tower manufacturer to furnish sound power levels of tower with required attenuation as part of shop drawing submission.”

We’d like clarification on how much attenuation is required, and what sound levels we are trying to meet

Response: Refer to addendum for sound power data.

4.11 **Question:** What is to be included in the Emergency Generator Alternate?

1. Obviously the Generator.
2. Concrete Pad?
3. ATS ?
4. Conduits to Generator pad for future?
5. Feed Panel ‘EDP’ from MDP for Base Bid in the event Alternate is not accepted?

Response: Generator, ATS, “LS” panels and “EDP”, concrete pad, conduit and feeders are all part of the alternate. Under base bid emergency lighting is handled by battery backup.

4.12 **Question:** On plan page S-302 dated 12/20/2017 Addendum #1, shows the detail below. We are concerned that the #3 dowel will not be adequate support for the New Concrete Slab. We typically see the slab notched into the existing concrete wall for baring, similar to the left side of this section. Please confirm the Architect/ Structural Engineers intent or provide an updated section for this work.

Response: The note for the #3 dowel that is currently called out in the detail should actually call out a #5 dowel instead. Also, the edge distance to the dowel from the top surface of concrete should be 3 1/8” minimum.

4.13 **Question:** Please reference Item 1.7 on page 2 of Addendum 4. It appears the size of the generator has been reduced from 125kW to 30kW. However, no changes have been made to the ATS or the load panels associated with the generator. Wouldn’t there also be significant changes required to the ATS, the load panels, and the feeders as well? In order to bid this properly, EC’s are trying to determine what the intent of the design is.

Response: This issue was addressed in Addendum No. 6

4.14 **Question:** There are three different specified rubber tiles and all three have different prices. One tile, “Satura” does not come in a 2mm product as listed in the specs. Please clarify.

Response: Noraplan Environcare and Noraplan Eco tiles are both used. Refer to Finish Schedule in the specifications for “RT” color/ product line selections and Drawing A-810 for locations of “RT” selections. “Satura” product line was intended for stair treads but the treads were changed to be Norament hammered finish stairtreads (color Plat. Grey 0882) in addendum #5.

4.15 **Question:** The window head detail WH2/A-601 calls for a trim clip: I’m not sure I understand what this is for and what gap it is referring to covering. This seems like an unnecessary part and in my experience,

the window caulks to the steel angle lintel and the lintel gets painted so there isn't any need for metal trim.

Response: Disregard reference to metal trim and clip on Head detail WH2 – this trim is not necessary.

ATTACHMENT LIST

1. None

END OF ADDENDUM No. 7