STATE OF NEW JERSEY
SCHOOLS DEVELOPMENT AUTHORITY

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Addendum No. 4

NJSDA
32 E Front Street
Trenton, NJ 08625
Phone: 609-858-2984

DATE: **June 13, 2019**

PROJECT #: **ET-0099-B01**

DESCRIPTION: **New Perth Amboy High School**

This addendum shall be considered part of the Bid Documents issued in connection with the referenced project. Should information conflict with the Bid Documents, this Addendum shall supersede the relevant information in the Bid Documents.

A. CHANGES TO THE PROCUREMENT PROCESS:

1. Modifications to the Advertisement, Request for Proposals and Associated Documents

a. **MODIFY:** All references in the Project Advertisement, the Request for Proposals and previously issued addenda to the deadline for delivery of Bidders' Questions to the Authority shall be modified to extend the deadline until 2:00 PM Eastern Time on June 21, 2019.

b. **MODIFY:** All references in the Project Advertisement, the Request for Proposals and previously issued addenda to the due date for submission of Technical and Fee Proposals shall be modified to extend the deadline until 2:00 PM Eastern Time on July 30, 2019.

c. **MODIFY:** All references in the Project Advertisement and previously issued addenda to the date of the bid opening of Price Proposals shall be modified to extend the date for opening of Price Proposal until 2:00 PM Eastern Time on September 4, 2019.

d. **REPLACE:** The Price Proposal showing a revision date of March 26, 2019 shall be deleted and replaced with the Revised Price Proposal dated June 12, 2019, included with this Addendum as Attachment 4.01.

e. NOTE: Tentative dates for the Design-Builder interviews are August 28 and 29, 2019.

B. CHANGES TO THE PROJECT MANUAL:

NOTE: Additions are shown in **bold and underline** text; deletions are shown in ~~*strikethrough and italics*~~.

1. Modifications to the General Requirements

a. MODIFY: In Section 01010, Summary of Work, modify Paragraph 1.4.A. as follows:

A. The Contract contains the following Allowance categories and amounts:

	AMOUNT
1. General Design and Construction Allowance	$ 2,200,000.
2. Emergency Responder Radio Repeater System Allowance	400,000.
~~*3. Building Envelope Acoustical Enhancement Allowance*~~	~~*1,000,000.*~~
4. Emergency Generator Allowance	650,000.
5. Emergency Alert System Allowance	210,000.
6. Subsurface Conditions Allowance	2,010,000.
GMP Reserve Total	~~*$6,470,000*~~ **$5,470,000.**

b. DELETE: In Section 01010, Summary of Work, delete Paragraph 1.4.B.3. in its entirety and renumber subsequent items accordingly.

c. DELETE: In Section 01010, Summary of Work, delete Paragraph 1.4.D.2. in its entirety and renumber subsequent items accordingly.

2. Modifications to the Performance Specifications

a. REPLACE: Replace Section PS1030.00 Project Criteria, with revised Section PS1030 dated June 12, 2019 and included herewith as Attachment 4.02.

NOTE: The only changes to this Section are as follows:

- Paragraph I.B.2., Acoustical Performance, has been rewritten in its entirety.
- Table PS1030.00-01, Acoustical Performance Criteria, has been added.

- Figure PS1030.00-01, Exterior A-Weighted Noise Levels, has been added..

Nothing else in the Section is modified.

b. ADD: In Section A1000.00, Foundations, modify Paragraph I.E.2.b. as follows:

b. Prior to commencement of construction, in accordance with the Plan, the Design-Builder shall notify all surrounding property owners**,** ~~*and*~~ tenants **and utilities** ~~*in the area of the work that will commence on site*~~ **within 200 feet of the Project's property lines** and advise them of any potential impacts they may experience.

c. MODIFY: In Section C2000.00, Finishes, modify Paragraph II.L. as follows:

L. Stairways

1. Provide ~~*one-piece rubber stair treads with integrated*~~ **RFE-2 stair treads with matching** risers. Basis of Design: ~~*Johnsonite VIRTR-RD with 2" wide contrasting color grit insert*~~ **Palma PaliKrom 125 as scheduled**.
2. Provide matching ~~*stringers, and*~~ flooring and base at **both floor and intermediate** landings.
3. **Provide treads with a cast-in-place aluminum nosing with a minimum 2″ contrasting color abrasive insert, and extruded anchor. Basis of Design: Nystrom Model STSF-L3E.**

d. ADD: In Section C2000.00, Finishes, add Paragraph II.M. as follows and renumber subsequent items accordingly:

M. Elevators

1. **Provide elevator floor finishes as follows. See Table C2000.00-1 for Basis of Design and colors.**
   a. **EA01: VCT-2**
   b. **EB01: VCT-2**
   c. **EC01: PT-2**
   d. **ED01: PT-2**
   e. **ED02: PT-2**
   f. **EE01: VCT-2**

e. ADD: In Section D1010.00, Vertical Conveying Systems, add Paragraph I.G. as follows:

G. Operation and Maintenance

1. Provide lockable elevator inspection and test panel, metal document storage cabinet, and disconnect panel in a code-compliant, enclosed, fire-rated location acceptable to the elevator manufacturer.

f. ADD: In Section D3000.00, Heating, Ventilation, and Air Conditioning (HVAC), add Paragraph I.A.9.d.(9)(xxii) as follows:

(xxii) Gymnasium support spaces including (without limitation) locker rooms, offices, storage rooms, rest rooms, etc.

g. MODIFY: In Section D3000.00, Heating, Ventilation, and Air Conditioning (HVAC), modify Paragraph I.A.9.d.(2)(g) [*sic*] as follows:

(g) Provide hot water reheat coil with independent thermostatic control for each support space **other than Gymnasium support spaces**, including (without limitation) ~~*locker rooms*~~, offices, storage rooms, rest rooms, etc.

h. MODIFY: In Section D3000.00, Heating, Ventilation, and Air Conditioning (HVAC), modify Paragraph I.A.9.d.(3)(a) [*sic*] as follows:

(a) ~~*Garage bays*~~ **Automotive Lab** shall be conditioned by rooftop gas-fired power ventilators.

i. MODIFY: In Section D3000.00, Heating, Ventilation, and Air Conditioning (HVAC), modify Paragraph I.E.1.a. as follows:

a. Provide equipment with low ambient controls. Avoid conditions that create the potential for freezing. ~~*Hydronic*~~ **Chilled water hydronic** lines that are located on the exterior of the building or which serve units that take in outside air shall be a mixture of glycol and water. In addition, the hot water pumps shall be energized automatically any time the ambient temperature is less than or equal to 35 deg F.

j. MODIFY: In Section D3000.00, Heating, Ventilation, and Air Conditioning (HVAC), modify Paragraph II.D.3.b. as follows:

b. ~~*MERV 14*~~ **MERV 13** air filters.

k. MODIFY: In Section D3020.00, Heating Systems, modify Paragraph II.B.1.e. as follows:

e. Boiler circulation pumps~~:~~ **or other means approved by boiler manufacturer** to maintain proper flow rate through the boilers **and prevent high-temperature shutdown**.

l. MODIFY: In Section D3030.00, Cooling Systems, modify Paragraph II.B.2.g.(1) as follows:

(1) Provide sound reduction accessories including **screening and/or** the following factory-installed components ~~*and*~~ as necessary to reduce system noise to required sound levels **and ensure compliance with N.J.A.C. 7:29 and other applicable codes during operation of chillers and related equipment at any time, including the overnight hours between 10:00 pm and 7:00 am, for the production of ice**:

m. MODIFY: In Section D3050.10, Facility Hydronic Distribution, modify Paragraph I.C.6.a. as follows:

a. Provide pipe loops, bends, ~~*expansion joints,*~~ **offsets,** and flexible pipe connectors to reduce stress and strain due to expansion and contraction. **Where it is demonstrated that pipe loops, bends, and offsets cannot be implemented, other compensating devices may be submitted for review and acceptance by the Authority.**

n. ADD: In Section D5030.10, Branch Circuits, add Paragraph II.D.3. as follows:

3. In addition to floor boxes required elsewhere in the Design-Build Information Package, provide one floor box in each Gymnasium located off-court and within the area marked for Scorer's Table, with connections for power, data, sound system(s), and scoreboard connection(s).

o. MODIFY: In Section D5040.40, Exterior Area Lighting, modify Paragraph II.A.2.a. as follows

a. Perimeter wall-mounted area luminaires: Lithonia ~~*WST-LED*~~ **WSTM-LED**.

p. MODIFY: In Section E1030.80, Food Service Equipment, modify Paragraph I.E.2.a. as follows

a. Provide minimum **16-gauge Type 304** stainless steel corner guards on all outside corners **throughout Kitchen, Cafeteria(s), and all supporting spaces**.

q. MODIFY: In Section E2010.00, Fixed Furnishings, modify Paragraph II.A.3. as follows

3. Provide blackout shades at all exterior windows in the following locations:
   a. Gymnasiums
   b. Cafeterias.
   c. ~~*Media Center.*~~
   d. Large Group Seminar Room**s (Type 1 only)**.
   e. ~~*Professional Learning Center.*~~
   f. ~~*Art Room and Art Studios.*~~

3. Modifications to the Design Manual

(Not applicable)

C. CHANGES TO THE EDUCATIONAL SPECIFICATIONS:

(Not applicable)

D. CHANGES TO THE DRAWINGS:

(Not applicable)

E. BIDDER'S QUESTIONS, REQUESTS FOR INFORMATION AND RESPONSES:

1. Question: Referencing the acoustical design requirements for the mechanical systems within the project, please provide the normal hours of operations for which the acoustical deign will be required as outlined in ANSI S-12.

   Response: Section PS1030.00 Project Criteria, Paragraph I.B.2.d.(3)(a) states, "The building will function in occupied mode every day from 7:00 am to 10:00 pm." Note that the Project must also comply with N.J.A.C. 7:29, Noise Control. See also Item B.2.a. above.

2. Question: The mechanical systems (AHUs, MUAs, ductwork, fans, etc.) servicing the Culinary Room cannot use standard acoustical silencers or duct lining due to grease build-up concerns, undefined end-user maintenance programs, and safety risks if the systems are not properly maintained. Confirmation is requested that the sound levels in this space need not meet the NJSDA design goal of 35 to 40 dB(A) for background sound levels. This RFI requests the Authority's design goals for this space considering the limitations provided by the kitchen ventilation fans and standard industry practice.

Response: The maximum A-weighted interior background noise levels in the Culinary Arts Lab from both all sources and building services sources, excluding the culinary equipment itself, shall be 45 dB. See also Item B.2.a. above.

3. Question: Referencing Section PS 1030.00 and the ANSI S-12.60 standard, clarification is requested as to classification of the core learning requirements for the Automotive Technology area. The criteria for the STC and OITC ratings are not identified in ANSI S-12.60 standard for this space. In response, include the STC rating for the overhead garage doors and ancillary spaces.

Response: See Item B.2.a. above. The revised Section PS1030.00 (Attachment 4.02) no longer relies upon ANSI S-12.60 and the definition of "core learning spaces." As indicated therein, the minimum composite STC ratings of the interior construction surrounding the Automotive Lab shall be STC 60 when adjacent to another space or STC 35 when adjacent to a circulation or storage space.

It is the responsibility of the D-B to determine the STC and/or OITC ratings of exterior walls necessary to meet the prescribed maximum A-weighted interior background noise levels.

4. Question: Items #6, 6.1, 6.2, 6.3, 6.4- Heated Cabinet, Pass-Thrus: These are noted as "reach-in" type units, however, are indicated to have a rolling cart go inside of them. This is not possible with the current model specified. Please confirm if these units should be switched to "roll-in" pass-thru units.

Response: The heated cabinets are "reach-in" type units; the drawing is incorrect in showing the carts inside the cabinets. The Design-Builder is responsible for providing both cabinets and carts in the quantities shown.

5. Question: Items #7, 7.1, 7.2, 7.3, 7.4- Refrigerator, Pass-Thru: These are noted as "reach-in" type units, however, are indicated to have a rolling cart go inside of them. This is not possible with the current model specified. Please confirm if these units should be switched to "roll-in" pass-thru units.

Response: The refrigerators are "reach-in" type units; the drawing is incorrect in showing the carts inside the cabinets. The Design-Builder is responsible for providing both refrigerators and carts in the quantities shown.

6. Question: Are Stainless steel corner bumpers on all exposed corners in the kitchen, cafeteria area required, they are not currently indicated on bridging documents.

Response: Yes. See Item B.2.p. above.

7. Question: Item #54, Hose Reel with Spray- Please note that the hose length specified, based on model number is only 12'-0" in length. Please confirm 12' hose length reel is acceptable.

   Response: A 12-foot hose is not acceptable. The scheduled item, Fisher #29645, has a 50-foot hose.

8. Question: Has the NJSDA performed a water test on this site to confirm water quality for the kitchen equipment? If so please provide results. If not when will the results of a water test be made available.

   Response: The Authority will not be performing or providing any water test information. The Design-Builder is responsible for reviewing available public information for the information required to guide its design.

9. Question: Referencing Section PS 1030.00 B,4,(a) i pg. 5; Clarification is requested as to whether the project specifications restriction of placing fan coil units in the corridor is mandatory. The fan coil units can be placed in the classrooms and meet the acoustic performance ratings. The placement of the fan coils in the corridor are at most times, impractical as the corridors are the main trunk for the distribution of utilities. The required lifecycle maintenance, energy inefficiencies, and utility routing become most effective. The placement of fan coils in the classrooms is requested as a practical solution for an efficient design. Please advise.

   Response: Fan coil units must be located above ceilings over the corridors. See also Item B.2.a. above.

10. Question: Section 01010-1.4 (Allowances) describes a Building Envelope Acoustical Enhancement Allowance and later describes an Outdoor Noise Study to be conducted by the D/B. Reference to the acoustical allowance is also found on the Price Proposal form, Section F.3. However, the requirement for the Outdoor Noise Study is not in the PS1030.00. Please advise if the D/B is responsible for conducting an outdoor noise study and if the acoustical allowance is still in place.

    Response: See Item B.2.a. above, which specifies the exterior ambient noise levels to be accommodated by the Project. A noise study by the Design-Builder is not necessary.

11. Question: Section PS1030.00, l.B.2.f.(3), refers to Building Envelope Acoustical Drawings Elevation Plans. Please provide these plans.

    Response: See Item B.2.a. above. This reference is deleted.

12. Question: Please advise if the testing or emergency use of the generators is subject to the indoor background sound level requirements of the project (e.g. 45 dBA). Past projects have exempted the generator from the indoor acoustical requirements.

Response: The generator system is exempted from indoor acoustical requirements during testing or emergency use, but is still subject to certain exterior noise level limitations. See Item B.2.a above, which clarifies generator noise level requirements.

13. Question: Section PS1030.00, l.B.2.f.(b), indicates to design the Auditorium/Stage, Black Box Theater, Dance Studio and Aerobics Studio to comply with a reverberation time of 1.5 seconds. Please advise if this is maximum allowable value (and lower values would be acceptable) or if these rooms should be designed within 0.1 seconds of this design goal.

Response: See Item B.2.a. above. The referenced reverberation times are maximums.

14. Question: Can a copy of the Remedial Investigation Report/Remedial Action Workplan, September 2016, Penn Jersey Environmental Consulting be provided?

Response: A copy of the Remedial Investigation Report/Remedial Action Workplan will be provided to the successful Design-Builder after award. The Remedial Responsibilities Plan contains sufficient information for the Design-Builder to determine the scope and estimate the cost of the environmental remediation work.

15. Question: If any suspected asbestos containing materials are encountered, will the segregation, sampling/lab analysis, off-site disposal and appropriate reporting be covered through an allowance?

Response: Yes. **NOTE:** As required by the Remedial Responsibilities Plan, the Design-Builder shall submit a Health and Safety Plan, a Materials Management Plan, and a Quality Assurance and Quality Control Plan that include provisions for encountering and managing remnant transite pipe and other ACM, and for providing related Remedial Action documentation. These submittals are part of the Design-Builder's required Work and are not subject to the Allowance.

16. Question: Please provide details and layout related to the underground stormwater detention system for bidding purposes.

Response: The Proposed Stormwater Plan included in the Design-Build Information Package is conceptual in nature and represents one possible approach indicating that a system can be designed for the Project and would not be at capacity. The Design-Builder is responsible for design and construction of the underground stormwater system in accordance with Project requirements and all applicable codes and regulations.

17. Question: Please provide the size and types of stormwater conveyance and detention pipes as the basis of design.

Response: The Proposed Stormwater Plan included in the Design-Build Information Package is conceptual in nature and represents one possible approach indicating that a system can be designed for the Project and would not be at capacity. The Design-Builder is responsible for design and construction of the underground stormwater system in accordance with Project requirements and all applicable codes and regulations.

18. Question: Please provide details for the stormwater quality manufactured treatment devices required for bidding purposes.

Response: The Proposed Stormwater Plan included in the Design-Build Information Package is conceptual in nature and represents one possible approach indicating that a system can be designed for the Project and would not be at capacity. The Design-Builder is responsible for design and construction of the underground stormwater system in accordance with Project requirements and all applicable codes and regulations.

19. Question: Has the roof drainage system been incorporated into the stormwater conveyance design? If so, please provide the location and size of the building roof stormwater connections.

Response: The Proposed Stormwater Plan included in the Design-Build Information Package is conceptual in nature and represents one possible approach indicating that a system can be designed for the Project and would not be at capacity. The Design-Builder is responsible for design and construction of the underground stormwater system in accordance with Project requirements and all applicable codes and regulations.

20. Question: The Proposed Grading Plan indicates new grading beyond the property line along the southern portion of the site. Please confirm that this grading on the adjacent property is acceptable and has been coordinated with the adjacent property owner.

Response: Confirmed. The Work has been coordinated with the adjacent property owner.

21. Question: The Proposed Grading Plan indicates stairs and a ramp adjacent to two of the southern entrances (FF85.33 and FF86.5). Based on this condition, please provide additional detail in this area to verify if a small wall at the roadway to transition grades rather than a curb as currently shown. Please clarify the grading and wall extents in this area.

Response: The Proposed Grading Plan included in the Design-Build Information Package is conceptual in nature; the Design-Builder is responsible for design and construction in a manner compliant with codes and all Project requirements.

22. Question: The Site Plan indicates a retaining wall along the perimeter of the site. Please confirm the type of wall system and foundation support required given the potential for settlement to occur.

Response: The Site Plan included in the Design-Build Information Package is conceptual in nature; the Design-Builder is responsible for design and construction in a manner compliant with codes and all Project requirements. Based on the retaining wall system chosen, loading of the wall system and the underlying soils, a deep foundation may be required for some or all of the retaining wall systems.

23. Question: Please confirm if NJ DOT permitting or coordination is required for either closing the two entrances off Route 35 or installing new utility connections.

Response: Confirmed. The Design-Builder is responsible for permitting and coordination with NJ DOT and USA-PA for closing of Route 35 ramps and/or installation of new utility connections.

24. Question: Please confirm if NJ DOT permitting or coordination is required for the relocation of the existing stormwater line within the site.

Response: Confirmed. The Design-Builder is responsible for permitting and coordination with NJ DOT and USA-PA for relocation of the existing stormwater line.

25. Question: Please confirm if a traffic study has been prepared for this project. If so, please provide a copy for our review.

Response: Confirmed. A Traffic Study was prepared by E+LP and is included herewith as Attachment 4.03.

26. Question: Is a traffic study required for this project?

Response: See Item E.25. above.

27. Question: Please confirm if the existing utility easements (State + City) within the site would need to be relocated with the new utility alignments. If required, whose responsibility is the coordination and issuance of the new easements?

Response: See Addendum #2, Item B.1.b.

28. Question: Please provide all permits that have been obtained for this project to date.

Response: No permits have been obtained to date. The Design-Builder is responsible for obtaining all required permits for the Project.

29. Question: Please confirm if County approval or coordination is required.

Response: The Design-Builder shall coordinate and secure final approvals from Middlesex County for modifications to all adjoining County roadways.

30. Question: Why is structural fill required for filling of the building footprint, if pile support and pile-supported structural slabs that will not derive support in the fill are also required?

Response: Requirements for structural qualities of fill material will be dependent on the Design-Builder's foundation design. The Design-Builder will be required to provide a deep foundation design that accommodates the design criteria of codes, specifications, building foundation, retaining walls, utilities, etc. The Design-Builder may provide for an alternative method of deep foundations and fill subject to the Authority's approval. All material shall be tested, placed and compacted in accordance with the specifications.

31. Question: If drilled piles (which produce very low levels of vibrations during installation) are required for foundation support, why are the pre- and post-documentation of neighboring structures required?

Response: These surveys are required to establish a basis for protection against potential damage claims from neighboring property owners.

32. Question: Would the use of driven piles be permitted if pre-augering of pile locations is performed to reduce vibrations during pile installation?

Response: No.

33. Question: Is the use of driven piles precluded due to concerns about vibration impacts to neighboring structures, or due to pile-driving noise levels?

Response: The use of driven piles is prohibited.

34. Question: What pile length should be used for the basis of design for the building foundation system?

Response: Please refer to Section A1000.00 Foundations I. Performance E. Geotechnical Program and the soil boring logs included in the geotechnical investigation report prepared by E+LP. Pile size, length, distribution and loading will be dependent on the specific stratigraphy at the pile location and the Design-Builder's choice of methods and proposed design.

35. Question: Can the thickness of the compressible clay layer be identified for the purpose of estimating settlements and also for pile design?

Response: Please refer to Section A1000.00 Foundations I. Performance E. Geotechnical Program and the soil boring logs included in the geotechnical investigation report prepared by E+LP.

36. Question: Can the depth at which suitable pile bearing material is expected to be encountered be identified? Can the undrained shear strength for this clay material be provided, since it is needed or pile design?

Response: Please refer to Section A1000.00 Foundations I. Performance E. Geotechnical Program and the soil boring logs included in the geotechnical investigation report prepared by E+LP.

37. Question: What is the minimum distance around the site to which the pre-construction, monitoring and post-construction of neighboring structures is required?

Response: See Item B.2.b. above, which establishes a 200-foot distance for notifications. The Design-Builder may elect to increase this distance in order to further limit potential damage claims.

38. Question: Please confirm if the retaining walls should be supported on piles or if the retaining wall alignments need to be preloaded or surcharged?

Response: The Design-Builder is responsible for the design of all retaining walls and the support of those walls, which includes determination of the need for piles and/or preloading or surcharge.

39. Question: No information has been provided regarding liquefaction potential for subsurface soils during the design seismic event. Please confirm for the basis of bid whether the potential for liquefaction exists.

Response: For the purpose of bidding, there is no potential for liquefaction in a seismic event.

40. Question: Per Specification Section G000.00 Article 1.B.1., "pre-existing concrete footings, foundations, slabs and other miscellaneous debris within the zone of construction are known to have been removed." In the ELP report, the test pit logs indicate that concrete debris was encountered in the majority of the test pits. In 3 of the test pits, buried concrete foundations and a concrete pad were encountered, which would act as obstructions to pile installation and would be difficult to excavate once site grades are raised. How will the cost be managed if an obstruction is encountered during pile driving operations?

Response: The Design-Builder is responsible for means and method of construction employed for the installation of the deep foundation system.

41. Question: The site is not located within a floodplain and there are no mapped wetlands. Please confirm that there are no wetlands in or around the site and that no NJDEP Flood Hazard Area or wetlands permits are required for this project.

Response: Confirmed.

42. Question: Section D5040.40 - Exterior Area Lighting, subsection 1.B.c require exterior light fixtures to be provided with a 'correlated color temperature of 3500k.' The following products, as listed in the basis of design, are not available in 3500k, only 3000k or 4000k: Perimeter wall-mounted area luminaires (Lithonia WST-LED) and Pole-mounted luminaires (Lithonia DSX1 LED). Please clarify which color temperature to use.

Response: See Addendum #3, Item B,2.d.

43. Question: Referencing SECTION D1010.00 VERTICAL CONVEYING SYSTEMS Section II, A, 3, e; "Emergency power operation of all cars in accordance with code." This RFI requests confirmation and SDA acknowledgement that battery lowering for each individual elevator is in conformance within the Code. Confirmation that battery lowering of the individual elevator is acceptable and meets the specification is requested.

Response: Battery lowering of elevators is NOT acceptable. Provide emergency power operation of all elevators as specified.

44. Question: Referencing Section D2010.20 Domestic Water Equipment, I, D, Health and Safety 3,b; confirmation is requested the SDA has requested and obtained sufficient data from the water utility that that the quality of water standards for NJ Schools either meet or exceed the acceptability standards for lead provided by the utility. Any treatment requirements, if discovered, are compensable. As such, confirmation that lead filtration is voided within the section.

Response: Not confirmed. See Addendum #2, Item E.6.

45. Question: Referencing Section D2010.20 Domestic Water Equipment, Ill Methods of Construction A, 2 where: "Provide threaded or solvent-glued joints in all conduits below the foundation floor which penetrate the foundation walls and floors." allows for the use of PVC for underground conduits. Confirmation is requested.

Response: Solvent-glued PVC is permitted for electrical and communications conduits only except where otherwise restricted by Project requirements or code. PVC is not permitted for piping carrying liquids.

46. Question: Referencing Section D3050.10 Facility Hydronic Piping IIA, will Pro-Press fitting be acceptable in place of soldered joints?

Response: No.

47. Question: Referencing Section D5010.10 Facilities Power Generation, I, A, 1,-e-; and, specifically, the life safety ATS which is subject to code compliance, item (e-4) Elevators: "One elevator at a time" in meeting this guidance requires clarification. The supply of power from the life safety ATS does not meet code compliance to the elevators "one at a time". Per IBC, an elevator is required for buildings with five or more stories. With only three floors, the school does not require the elevator to be powered by "emergency" power for an accessible means of egress.

Upon a life safety emergency, the Code requires that each elevator recalls to a safe floor and discharge the passengers to safety and the elevator is disabled until restored to normal use. The Code requires the removal of the elevators from service so that building occupants do not use elevators during an emergency and become trapped. Accordingly, SECTION D1010.00 VERTICAL CONVEYING SYSTEMS Section II, A, 3, e; "Emergency power operation of all cars in accordance with code." allows for each elevator to battery lowering and complies with Code.

This RFI requests acknowledgement that the referenced section "e-4 Elevators: One elevator at a time" is "not subject to Code compliance" and is thereby voided.

Response: Battery lowering of elevators is NOT acceptable. Provide emergency power operation of all elevators as specified.

48. Question: Due to the project size and complexity, this RFI requests an extension of time for prospective bidders to accumulate the required design parameters and provide a responsive and cost competitive response to the request for proposal.

Response: See Item A.1.b. and A.1.c. above.

49. Question: Upon receipt of project Addendums, will the SDA allow an exchange of additional RFIs in the event the Addendum response does not satisfy the original RFI?

Response: See Item A.1.a. above.

50. Question: Referencing Section E1070.00 Recreational Equipment - G, Scoreboards, can wireless controllers be used exclusively in all the spaces?

Response: No. Provide direct-wired, removable controllers as specified. See also Item B.2.n above.

51. Question: Spec Section PS1030.00, section I.F(3) regarding composite ratings of exterior wall components makes reference to "Building Envelope Acoustical Drawing Elevation Plans." Please clarify where this information is provided, and if any drawings will be issued.

Response: See Item B.2.a. and E.11. above.

52. Question: Specification Section E2010.00 (11.A.3) lists rooms to receive blackout shades. Clarify the following:

a. The Professional Learning Center (Fit-Out Sheet E118) does not indicate a projector / projection screen. Are blackout shades still required?

b. The Art Rooms and Art Studios (Fit-Out Sheets E62, E63, & E64) do not indicate a projector/projection screen. Are blackout shades still required?

c. Media Center (Fit-Out Sheets E101) does not indicate a projector/ projection screen. Are blackout shades still required? This room has extensive glazing. Please confirm.

Response: No, blackout shades are not required for any of the spaces listed in the question. Solar shades are required for all. See also Item B.2.q. above.

53. Question: Dance Studio Fit-Out sheet E61 shows a Projection screen / Projector whereas floor plan A102 does not. Please Clarify. If a projector is required, is the room to receive blackout shades?

Response: See Addendum #1, Item C.

54. Question: Large Group Seminar rooms (type 1 & type 2) Fit-Out Sheets E109, and E110 shows both rooms receiving (3) projectors/ projection screens whereas floor plan A102 shows both rooms receiving (2) projectors/ projection screens. Clarify.

Response: See Addendum #1, Item C.

55. Question: Drawing A-401 Interior elevations El, and Al indicate "CM-1, and CM-3" in the corridors/ lobby outside the Auditorium. Drawing A-402, elevation El notes "CM-4" in the Auditorium. CM-1, CM-3, and CM-4 cannot be found in the specifications. Please clarify that this is a typo and the finishes should be CMU-1, CMU-3, and CMU-4.

Response: See Addendum #2, Item B.2.a. and Attachment 2.02.

56. Question: The Media lab shows an overhead coiling door enclosure in front of a counter/sink unit. Is this correct?

Response: Correct.

57. Question: Section C2000.00 (11.L) notes that Stairways to be provided with one-piece rubber stair treads with integrated risers, with matching stringers, and flooring and base at landings whereas Table C2000.00-1 and AF drawings indicate all stairs to receive RFE floors and RFE bases (resinous floor epoxy). Clarify.

Response: Change to RFE-2 on landings, treads and risers. See Item B.2.c. above.

58. Question: If RFE (Resinous Flooring Epoxy) is required on Stairs clarify the following:

a. Is RFE required at Landings only?

b. Is RFE required at Treads only?

c. Is RFE required at the Risers as well?

d. Are cast in place aluminum nosings with abrasive inserts required?

Response: See Item B.2.c. above.

59. Question: Spec section Dl0l0.00 (11.A.4.d) notes the elevator cab floor finish to match adjacent floor finish. Clarify the following:

a. Elevators EA0l, EB0l, ED0l, and ED02 - open up to VCT 1, 2, and 3 on the first floor. What color VCT should be provided for these elevators?

b. Elevator EC0l - opens up to PT1, and PT2 (Porcelain Tile). Confirm this is the correct finish and provide color.

c. Elevator EE0l - opens up to SC (Sealed Concrete). Confirm this is the correct floor finish, or if this elevator should have VCT. If VCT provide color.

Response: See Item B.2.d. above.

60. Question: Referencing Section G2080.00. Landscaping, E. Maintenance. Provide clarification as to the specific point in time when the D/B maintenance of the landscaping is transferred to the Authority, such as, date of substantial completion.

Response: The Design-Builder is responsible for maintenance of all plantings as specified in Section G2080.00, Landscaping, Paragraph I.A.2.

61. Question: Referencing Section D7050.00 Detection and Alarm, confirmation is requested to use code compliant ceiling mounted combination speaker /strobes so as to avoid potential conflicts with the school's placement of furniture against walls. [#201]

Response: Confirmed.

62. Question: Please clarify which rooms are to receive motorized shades.

Response: Section E2010.00 states, “Provide line-voltage, hard-wired motorized operating system for all shades installed in locations higher than 9′-6″ above the adjacent finish floor.”

63. Question: E2020.00 11.A.7.a states to provide motorized shades in locations higher than 9'-6" above finished floor. Please confirm the intent of this distance is finished floor to windowsill.

Response: The dimension given is from the finish floor to the centerline of the shade roller.

64. Question: Please provide clarification on elevator control equipment room requirements for elevator ED0l as it does not appear that any are indicated on the RFP documents.

Response: See Item B.2.e. above.

65. Question: Section D2010.20, I (B) 5: Daycare in-floor heating system:

a. Plumbing Code requires that the water heaters for space heating must be listed for that use. SDA basis of design water heaters (AO Smith) are not listed for space heating. Please provide a basis of design heater listed for space heating.

b. Section C directs the DBC to locate water heaters on utility room or boiler room. There are no nearby rooms meeting this description. Please advise location for equipment.

c. Would the SDA consider utilizing the boiler HW system to supply the in-floor heating system?

Response: a. Use a code-compliant water heater listed for both domestic hot water and space heating.

b. Locate the water heater in Storage E-102A or another nearby code-compliant location.

c. No. Provide an independent system for this purpose.

66. Question: Section D2010.20, II (B): Sizing each domestic water booster pump in a duplex system for 100% of demand goes against manufacturer's sizing recommendations and causes issues during low flow situations. Please confirm duplex booster pump sizing and selection shall be based on manufacturer's recommendations.

Response: Provide dual pumps, each sized for 100% of demand as specified.

67. Question: Section 02010.20, II (C): Please clarify purpose and service for Domestic Hot Water Pumps. Specification calls for two centrifugal variable speed pumps on inertia pads with lead/lag controls. Please confirm HW return pumps are in-line, constant speed, fractional horsepower pumps controlled via aquastats for the purpose of maintaining temperature in the distribution piping.

Response: Confirmed.

68. Question: Section 02010.20, II (G): Acid waste tanks:

a. A 55-gallon tank can serve 16 fixtures, or 2 Science Project Labs based on manufacturer's sizing chart. Is it permissible to specify sizes other than 55-gallon tanks to suit number of fixtures served?

b. If 55-gallon tanks are the only size to be used, the number of tanks required will fill a closet such as Closet A100B4. (2) to receive 2nd floor acid waste, and (2) under-slab to receive first floor acid waste. Is this acceptable to the SDA?

Response: Provide acid neutralization tanks in sizes and quantities as required to satisfy Project requirements and to comply with codes and manufacturer’s recommendations.

69. Question: Section D2010.60, II (A).b: "floor mounted fixtures" SDA bid drawings show chases sized for wall-mounted water closet carriers in all toilet rooms. Also, wall-mounted water closets will minimize structural slab penetrations and allow easier housekeeping. Can wall-mounted water closets be specified instead of floor-mounted for this project?

Response: Provide floor-mounted water closets as indicated.

70. Question: Section D3010.00, I (C).1.b: High pressure gas. Medium pressure gas as defined in the IFGC-2015 as a range greater than O.5 psig and less than or equal to 5 psig. Is high pressure gas greater than 5 psig?

Response: System design pressure shall be sufficient to satisfy, but not greater than, the pressure requirements of the equipment with the greatest supply pressure demand.

71. Question: Section 04010.10, l.A.4: Underground fire water tanks. It is unclear how an underground tank would provide sufficient NPSH for a fire pump at grade. Please clarify.

Response: The Design-Builder is responsible for design and construction of tank(s), pumps, controllers, and all other components of a fully engineered fire suppression system, with signed and sealed hydraulic calculations demonstrating compliance with applicable codes.

72. Question: RFP notes DOAS ductwork to be ducted directly to the classroom. If the design builder determines that ducting the DOAS OA to the FCU return will provide better occupant comfort and more economical ductwork distribution, will SDA allow OA to be ducted to the FCU return with the exhaust ducted directly to the classroom?

Response: Demonstrate adherence to ASHRAE 90.1-2013 Section 6.5.2., which generally prohibits simultaneous heating and cooling.

73. Question: RFP requires fan powered boxes (FPB's) for several space types including exterior paces, and two-story areas. FPB's are inherently designed to be used in a ceiling plenum and are therefore not compatible with an application such as a school where ceiling return plenums are prohibited. It is requested that the SDA allow for a shut-off type VAV system in which careful design of the diffuser layout ensures that air will be evenly distributed at part-load conditions.

Response: No.

74. Question: System type C is specified as constant volume utilizing reheat coils for spaces with differing occupancy. ASH RAE 90.1-2013 section 6.5.2 prohibits simultaneous heating and cooling unless supply airflow is first reduced. It should be a no cost addition to comply for units serving the gyms to convert from constant volume units with VFDs for balancing to a single zone VAV system. Will the SDA accept a change to SZVAV in the gym areas? Additionally, it is suggested that system type B be utilized for cafeteria, food services, school store and support, ROTC area, Daycare Center, and Communications and Broadcasting suite.

Response: Provide constant-volume systems for the Gymnasiums and adjoining storage room as specified. Other Health and Physical Education areas, including locker rooms, offices, etc., shall be System Type B. See Items B.2.f. and B.2.g. above.

75. Question: RFP requires each canopy hood in the kitchens to have individual exhaust fans. This is not required by code (see 2015 IMC section 506.3.5). Will the SDA allow the combining of hood ductwork where allowed by code and appropriate for reduction of grease duct quantities?

Response: No. Provide individual exhaust fans as specified.

76. Question: Please clarify if one gas fired H&V unit is required for the garage area as shown on plans or if one unit is required per bay as noted within the specifications.

Response: Provide quantity as needed to comply with codes and design criteria. See also Item B.2.h. above.

77. Question: DX cooling at the kitchen hood make-up air is not a code requirement unless the general HVAC unit can't handle the additional load (see 2015 IMC section 508.1.1). If the DB contractor can prove that the general HVAC system is sized to handle the load will the SDA accept heating only make-up air units for the kitchen hoods?

Response: No. Provide DX cooling tor Kitchen hood makeup air as specified.

78. Question: Canopy hoods for chemical and flammable storage cabinets are not required by code. Cabinets are designed to contain chemicals and fumes and protect them in the event of a fire. NFPA 30 section 9.5.4 states that there is no requirement to ventilate the cabinets. Request removal of this requirement.

Response: Ventilation is required only if required by code.

79. Question: Specification D3000.00 section l.E.1.a states that any hydronic lines that serve units that take in outside air are to utilize a glycol mixture. Is it intended for hot water lines to have the glycol mixture as well as the CHW lines?

Response: No. See Item B.2.i. above.

80. Question: Make up air units are required to have MERV 14 filters. This is not a standard option, will MERV 13 filters (which still meet LEED requirements for IAQ credits) be accepted?

Response: Yes. See Item B.2.j. above.

81. Question: Will the SDA accept a UL 508 compliant water level detector in the drain pan of FCUs in lieu of a secondary drain pan? See 2015 IMC section 307.2.3 method 4 for code compliance.

Response: No. Provide secondary drain pans as specified.

82. Question: Will the SDA accept boilers with multiple burners/HX modules (similar to a Veissmann or Riello) in lieu of 12 free standing boilers? For example, 4 boilers, each with (3) 3,000 MBH modules would provide the

same capacity and redundancy of 12 boilers each with a single 3000 MBH burner/HX.

Response: No. Note the proprietary specification for boilers on this Project.

83. Question: Typical manufacturer maximum boiler cascade is (8) boilers before an additional controller is required. Request reduction of minimum number of boilers to allow for simpler controls and more economical use of the boiler room area.

Response: No.

84. Question: Please clarify intended HW pumping scheme. D3020.00 section l.D.l.n calls for circulating pumps for each boiler. These are typically in-line circulators. Section l.D.3.a states that HW pumps are to be base mounted. l.D.3.c says to provide a minimum of (3) primary pumps in lead lag configuration. l.D.3.c is in conflict with l.D.l.n - if one circulator is provided for each boiler, the circulators cannot be utilized in a lead lag configuration. Is the DB to provide a primary loop with 3 base mounted pumps and control valves at each boiler, or 12 base mounted boiler pumps, or 12 in-line circulators?

Response: See Item B.2.k. above.

85. Question: Section 03000.00 notes in several locations that freeze protection pumps, valves, and appurtenances are to be located above accessible corridor ceilings. Will the SDA accept an enclosure mounted to the RTU as an acceptable alternate location to provide ease of access and maintenance?

Response: No. Provide freeze protection as specified.

86. Question: Will the SDA accept other ice storage manufacturers besides Calmac?

Response: No.

87. Question: Will flexible couplings (similar to Victaulic) be accepted for pipe expansion control?

Response: No.

88. Question: Is all kitchen duct to be stainless steel or just ductwork that conveys excessive moisture (dishwasher exhaust)?

Response: Provide stainless steel ductwork for all Kitchen ductwork as specified.

89. Question: Will the SDA accept fixed blow pattern for diffusers in spaces the do not have a ceiling height greater than 12'-0" AFF?

Response: No. Provide air devices as specified.

90. Question: Please provide clarification on elevator control equipment room requirements as it does not appear that any are indicated on the RFP documents

Response: See Item B.2.e. above.

91. Question: Based on the NJSDA Design-Build Performance Specification D5020.00-Electrical Service and Distribution, exterior pad mount transformers are identified to be dry type VPE with NEMA 3R enclosure. It is recommended to utilize liquid filled, factory mutual approved pad mount transformers. Please confirm.

Response: Provide dry type VPE transformers as specified.

92. Question: Based on the NJSDA Design-Build Performance Specification D5000.00 Electrical, the service capacity is identified to be "Calculated in accordance with NFPA 70; provide 16 volt-amperes per square foot maximum for the entire campus. Typically, for this type of project, VA per square foot numbers will be 18- 20 VA per square foot. Please confirm project basis for VA per square foot.

Response: Mechanical and electrical equipment capacities, quantities and locations shown on the drawings are conceptual only. A final determination regarding the capacities, quantities, types, and locations of equipment shall be made by the Design-Builder based on the Basis of Design mechanical system, the Performance Specifications and all Project requirements.

93. Question: Based on floor plans provided in the RFP, there are eleven (11) electrical rooms provided on the first floor, eleven (11) electrical rooms provided on the second floor and six (6) electrical rooms on the third floor. The distribution of the electrical rooms will, in seven (7) locations throughout the building, leave these areas further than required by the NEC for voltage drop on a 120V, 20A circuit. This will require up-sizing the conductors for a large amount of circuits to cover the distance from the nearest electrical closet. Please confirm if the SDA recommends the addition of seven {7) small electrical closest to alleviate this issue.

Response: Provide sizes, quantities, and locations to comply with all requirements of latest adopted codes of the NEC (NFPA 70) and ASHRAE 90.1 including voltage drop and equipment working clearances.

94. Question: The bidding documents reference the operation of HVAC equipment in "unoccupied" mode or "night time setback" mode. Conversely Project Criterial PS1030 states that the building will operation from 7am to l0pm. Please confirm that the bidder is not required to mitigate noise in compliance with NJAC 7:29 resulting from interior or exterior HVAC

equipment operating from l0PM to 7am. This would include the installation of sound walls, equipment enclosure, and the like.

Response: Not confirmed. See Item B.2.a. above.

95. Question: If a firm is a NJ SBE Qualified firm, but does not meet the annual revenue standards established by the Federal Standard 13 C.F.R.121.201 do they fulfill the 25% Set Aside Goal?

Response: Each NJSBE qualified firm must meet the annual revenue standard established for its respective trade in order to contribute to the 25% set-aside goal. Any firm exceeding its applicable standard cannot be counted toward fulfillment of the goal.

96. Question: Please confirm the DVOB Aside is a goal and not a requirement?

Response: The Design-Builder and its Design Consultant are required to demonstrate efforts to comply with the DVOB Set-Aside Goals for consultant, sub-consultant and subcontractor opportunities over the entire duration of the Project. While compliance is only a goal, the Design-Builder and its Design Consultant are *required* to make a good-faith effort by submitting an NJSDA SBE/DVOB Participation form at the outset of the Design Phase and again at the Construction Phase.

97. Question: Spec section 01010.00 notes machine room less elevators. The (3) basis of design model numbers include the 'option' to provide a test/inspection panel within the elevator jamb thereby not requiring an "elevator control room". Out of the 6 elevators noted on the floor plans, only 3 elevators show adjacent "elevator control rooms" while 3 do not. Will additional control rooms be provided? Clarify design intent.

Response: See Item B.2.e. above.

98. Question: Are structural members allowed in corridor Cl00E, and C200B (open area) to support the adjacent proposed bridge, or is the SDA intent to provide a self-supported concrete bridge structure for the proposed bridge?

Response: The bridge shall be self-supporting as indicated.

99. Question: 2015 NJ IBC section 1023.7 states that exterior walls of stairs that form less than 180 degrees need to be rated for 10 feet and openings within the 10 feet must have a rating of not less than 3/4 hour. Please refer to Stair B6 on the 1st and 2nd floors. Can any of the windows in the Science labs, Health Center, Corridor, or Stair B6 be "reduced" or "eliminated" to comply with the IBC section? A fire rated window will have different look / finish and aesthetics may be an issue.

Response: Fire-rated windows are not the only means of resolving the design in this area. The plans represent one potential solution to code compliance. The Design-Builder is ultimately responsible for design and construction in compliance with all applicable codes and standards.

100. Question: Please confirm whether Specification Section PS1030.00-Project Criteria, paragraph I.B.2.a (1) f.(8), is correct in indicating that compliance with the requirements of N.J.A.C. 7.29 (Noise Control) is required during the testing of the emergency electrical generator system.

Response: See Item B.2.a. above.

101. Question: Specification Section 01400-Testing Laboratory Services, paragraph 1.1 A., states that "The Design-Builder shall employ and pay for the services of an independent Testing Laboratory to perform specified testing and laboratory services, including all testing and laboratory services required by code, contract, manufacturers' specifications, or other Authorities Having Jurisdiction," whereas Section 5.3 of the Design-Build Agreement indicates that the Design-Builder is not responsible for "testing in support of N.J. Uniform Construction Code Special Inspections." Please clarify.

Response: The two statements are not contradictory. The Authority is responsible for Special Inspections required under Chapter 17 of the International Building Code, New Jersey edition. The Design-Builder is responsible for all other testing and laboratory services as specified in Paragraph 5.3 of the Agreement.

102. Question: Specification Section D4010.10-Water-Based Fire Protection, Section I.A.4., refers to the requirement to "provide one or more underground fire water tanks as required to supplement municipal water supply and provide sufficient pressure and flow for fire sprinkler system, standpipes, and hydrants as required by codes and local Authorities Having Jurisdiction." This requirement along with the reference to underground fire water tanks indicated by Specification Section G3000.00, paragraph II. F, appear to be a requirement that is not fully quantified or specified at this time. Please confirm whether a Cost Allowance should be established for this requirement.

Response: The Design-Builder is responsible for design and construction of tank(s), pumps, controllers, and all other components of a fully engineered fire suppression system, with signed and sealed hydraulic calculations demonstrating compliance with applicable codes. No allowance will be established.

103. Question: Specification Section D4010.10-Water-Based Fire Protection, Section I.A.14, refers to the requirement for a fire pump, but no sizing and/or further specifications for this requirement appear to be indicated by the Bridging Documents. Please confirm whether a Cost Allowance should be established for this requirement.

Response: The Design-Builder is responsible for design and construction of tank(s), pumps, controllers, and all other components of a fully engineered fire suppression system, with signed and sealed hydraulic calculations demonstrating compliance with applicable codes. No allowance will be established.

104. Question: Regarding the requirement to provide Disabled Veterans' Owned Businesses (DVOB) participation in the project for 3% of the design contract value, please note that a search through the database of NJSDA prequalified consultants holding a DVOB designation yields very few results which appears to indicate that meeting this requirement may not be possible. Please confirm whether a good-faith effort to hire DVOB consultants whenever possible would be sufficient at this stage rather than meeting the specified 3% level of participation. Please confirm also whether the same will apply to the level of participation for the construction contract value in the event that a search for prequalified contractors produces no favorable results.

Response: See the response to Item E.96 above.

105. Question: Please advise if rooftop mechanical equipment will need to operate during nighttime hours (10pm-7am) and will be subject to the nighttime limits of the NJDEP noise regulation.

Response: See Item B.2.a. above.

106. Question: Please confirm that full funding for the Perth Amboy HS project has been allocated by the NJSDA, exclusive of the reported $60 million of remaining operating funds.

Response: Confirmed.

107. Question: Specification Section PS1030.00, paragraph I-B-2-f-(3), states that the minimum composite STC ratings of exterior wall components shall be based on Building Envelope Acoustical Drawings Elevation Plans. Are these drawings part of the Bridging Documents, and if so, where can we find them? Without these drawings, there appears to be nothing to use as basis of design for exterior wall and fenestration construction with respect to acoustical requirements other than the noise from Rooftop Units, and similarly, there will be nothing to compare the Outdoor noise study to. Please advise.

Response: See Item B.2.a. above.

108. Question: One of the key design parameters to design an Ice Storage system is the amount of time available to make ice as well as an understanding of the intended building occupancy schedule.

a. How many hours of ice making time (charge time) should be assumed for the purposes of designing the ice storage system.

b. What will be the occupied hours of the facility?

c. What will be the unoccupied hours of the facility?

Response:

a. Ice-making hours should be as required to maximize energy efficiency and to minimize the need for chiller-only cooling and peak-rate utility energy consumption.

b. As stated in Section PS1030.00, normal building operational hours will be from approximately 7:00 AM until 10:00 PM.

c. Normal unoccupied hours are from 10:00 pm to 7:00 am. [#302]

109. Question: Since the building height will exceed 40 feet, is it required that at least one boring per 2,500 ft. of building footprint area be performed to satisfy the New Jersey Edition of the International Building Code investigation requirements?

Response: The Design-Builder is responsible for design and construction of the Project in compliance with the New Jersey Uniform Construction Code and all its subcodes.

110. Question: Can other materials be considered for the fill material (i.e. recycled glass, recycled concrete aggregate, etc.) below the building, which is to be pile supported?

Response: The use of recycled concrete aggregate is not acceptable. All imported materials must be consistent with the environmental and geotechnical requirements indicated in Section 5.12 of the Agreement, and the Remedial Responsibilities Plan.

111. Question: Please provide clarification on the significant pressure drop indicated on the hydrant flow test. Does the pipe that was tested dead end? Please clarify.

Response: See Attachment 3.01 of Addendum No. 3 for the May 28, 2019 version of the Utility Investigation Report, which supersedes the August 1, 2018 version in its entirety. Note the incorporation of additional hydrant tests that were completed in October 2018, updated flow calculations, and a recommendation for incorporation of on-site fire water storage.

112. Question: Please confirm that the contractor is not responsible for any permit's fees including the building permit's fees.

Response: Not confirmed. Refer to Design-Build Agreement, Section 3.6 ("Government Approvals and Permits") regarding the Design Builder's obligations with regard to permit fees and connection fees. By way of clarification, the Design-Builder is responsible for all fees, permits, approvals and requirements for the project, except that NJSDA will pay all fees payable to DCA for permits and inspections.

Furthermore, school projects constructed by NJSDA are statutorily exempt from all connection, tapping, maintenance or capital improvement fees or charges with respect to connection of a school facility to a state or municipal water or sewerage system, pursuant to N.J.S.A. 52:18A-242(c), which states: "Notwithstanding the provisions of any law, rule or regulation to the contrary and except as otherwise provided by any federal law, the development authority shall be exempt from all connection, tapping, maintenance or capital improvement fees or charges in respect to each connection of any school project with a water or sewerage system operated by a political subdivision or agency of the State."

Accordingly, the Project shall be exempt from such water and sewer connection fees, if imposed by a state or municipal water or sewerage entity. If any difficulties are encountered in the application of the statutory exemption, the Authority will assist the Design Builder in asserting the exemption against any state or municipal water or sewerage system that attempts to charge such fees. The Design-Builder is responsible for all other costs for any utility connections that are not subject to the above exemption, including connection fees if assessed by a private or non-public water or sewer entity.

113. Question: Please confirm that all field testing and inspections will be performed and paid by the owner.

Response: Not confirmed. See Addendum #2, Item E.12.

114. Question: In the bid documents provided Section 01020 (Project Manual Vol. 1 of 3), the allowance specification is missing page 1. Please clarify or provide.

Response: See Attachment 2.01 to Addendum #2.

115. Question: In reference to Specification Section D7050.00 "Detection and Alarm" as specified on the table of contents which would cover the access controls, CCTV, alarm monitoring, building lockdown and intercom requirements, seems to be missing from the specifications. Please provide.

Response: Section D7050.00 is limited to fire detection and alarm systems. The other items listed are specified in Section D6000.00, Communications.

116. Question: There is no design for gender-neutral bathrooms. Assuming that the designed fixture count is accurate and to code. Is it formally

acknowledged that gender neutral bathrooms are not required in the design?

Response: The design does in fact include gender-neutral restrooms, whose fixtures are not included in the fixture counts for code.

117. Question: Many of the standard SDA details (i.e. masonry wall sections) do not meet present NJ Energy code prescriptions and these codes may get updated further by the time this building is filed. Will these standards be updated or how is this conflict reconciled?

Response: The Authority's standard details will not be updated and represent guidance only. The Design-Builder is responsible for design and construction of the Project in compliance with the New Jersey Uniform Construction Code and all its subcodes.

118. Question: The masonry spec calls for Nitterhouse "polished" block face which their product calls "Elite" but the catalog numbers that are spec'd refer to their "Ground" face products not polished. Can you clarify which product is desired?

Response: See revised Table B2010.00-1, Schedule of Masonry Types, issued with Addendum #2 as Attachment 2.02.

119. Question: In reference to Food-Service Equipment: Items #6, 6.1, 6.2, 6.3, 6.4- Heated Cabinet, Pass-Thrus: These are noted as "reach-in" type units, however, are indicated to have a rolling cart go inside of them. This is not possible with the current model specified. Please confirm if these units should be switched to "roll-in" pass-thru units.

Response: See Item E.4. above.

120. Question: In reference to Food-Service Equipment: Items #7, 7.1, 7.2, 7.3, 7.4- Refrigerator, Pass-Thrus: These are noted as "reach-in" type units, however, are indicated to have a rolling cart go inside of them. This is not possible with the current model specified. Please confirm if these units should be switched to "roll-in" pass-thru units.

Response: See Item E.5. above.

121. Question: In reference to Food-Service Equipment: Stainless steel corner bumpers at all exposed required, not currently indicated on bridging documents.

Response: See Item E.6. above.

122. Question: In reference to Food-Service Equipment: Item #54, Hose Reel with Spray- Please note that the hose length specified, based on model number is only 12'-0" in length.

Response: See Item E.7. above.

123. Question: Section 01010-1.4 (Allowances) describes a Building Envelope Acoustical Enhancement Allowance and later describes an Outdoor Noise Study to be conducted by the D/B. Reference to the acoustical allowance is also found on the Price Proposal form, Section F.3. However, the requirement for the Outdoor Noise Study is not in PS1030.00 as it has been in past projects. Please advise if the D/B is responsible for conducting an outdoor noise study and if the acoustical allowance is still in place.

Response: See Item E.10. above.

124. Question: Section PS1030.00, I.B.2.f.(3), refers to Building Envelope Acoustical Drawings Elevation Plans. Please provide these plans, and if not indicated on the plans, also provide the required roof STC ratings.

Response: See Item E.11. above.

125. Question: Section PS1030.00, I.B.2.f.(2)(a), indicates that the total maximum background noise level is limited to 45 dBA, including all interior and exterior noise sources. It is necessary for the D/B to know the indoor contribution from outdoor sources (e.g. playgrounds/roads/walkways) as determined by the SDA's outdoor noise study, in order to develop design for indoor and outdoor HVAC sound level contribution. Please provide the indoor sound level contribution to assume from outdoor sources.

Response: See Item B.2.a. above. It is the responsibility of the D-B to determine the contribution, based upon the selected construction of the exterior walls, of the exterior ambient noise to the A-weighted interior background noise levels.

126. Question: In past projects, generator operation has been exempt from the indoor requirements. This exemption was not found in the Project Manual for this school. Please advise if the testing or emergency use of generators is subject to the indoor background sound level requirements of the project (e.g. 45 dBA).

Response: See Item B.2.a. above.

127. Question: Can the SDA Materials and Systems Standards Table of Assemblies and Materials (TAM) be used for identification of partition types in regard to STC ratings?

Response: No. It is the responsibility of the Design-Builder to select assemblies which meet or exceed the minimum STC ratings required by the Design-Build Information Package. See also Item B.2.a. above.

128. Question: Section PS1030.00, I.B.2.f.(5), states that ANSI S12.60 section 5.4.2 is to be followed for attenuation of airborne sound between spaces. Does Table B.1 of that standard also apply?

Response: No. See Item B.2.a. above.

129. Question: Please provide the required STC and IIC ratings for the floor/ceiling between the 9th grade aux. gym (D214) and spaces below. ANSI S12.60 does not provide specific requirements for these adjacencies.

Response: The minimum composite STC of the floor/ceiling assembly between the 9th Grade Auxiliary Gym and spaces below is STC 45. The minimum IIC of the floor of the 9th Grade Auxiliary Gym is IIC 45. See also Item B.2.a. above.

130. Question: Please provide the required STC and IIC ratings for the floor/ceiling between the Aerobics Studio and the spaces below. ANSI S12.60 does not provide specific requirements for these adjacencies.

Response: See Item B.2.a. above.

131. Question: Please confirm if the required impact isolation rating for the floor/ceiling between the Dance Studio and the spaces below is IIC 70, or if this rating can be relaxed for some spaces (e.g. dressing rooms and storage).

Response: The minimum IIC of the floor of the Dance Studio is IIC 55. See also Item B.2.a. above.

132. Question: What STC rating, if any, applies for the walls and doors between Labs and their associated Prep Room (e.g. A353 and A354)?

Response: The minimum composite STC rating of the interior walls between a Science Lab and its associated Prep Room is STC 45. See also Item B.2.a. above.

133. Question: Please advise if the Daycare Center is to be treated as a core learning space.

Response: The Design-Build Information Package no longer relies on ANSI S-12.60 and the definition of "core learning spaces." See Item B.2.a. above.

134. Question: Please advise if the partitions between the Music Rooms, Practice Rooms, Control Room, and Sound Booth require STC 60 ratings for the walls, doors, and glazing between these spaces, or if the STC rating can be relaxed for the doors and/or glazing between these spaces.

Response: The minimum composite STC rating of the interior walls between the MIDI/Keyboard Lab, Vocal Music Room, Instrumental Music Room, Practice Rooms, and Control Room is STC 50. The minimum composite STC rating of the interior walls surrounding the Sound Booth is STC 60. See also Item B.2.a. above.

135. Question: Please advise if the Black Box Theater C122, Midi/Keyboard Lab C118, Sound Booth C117A, and/or Control Room C118B are to be treated as both core learning and music spaces for STC purposes, with the more restrictive STC requirements applicable.

Response: The Design-Build Information Package no longer relies on ANSI S-12.60 and the definition of "core learning spaces." See Item B.2.a. above.

136. Question: Contract Section G2080.00, III, E, 1, d refers to a landscape irrigation system. In order to quantify in the bid the cost of an irrigation system, the following information is required:

a. Location of areas that require irrigation system.
b. Performance specification for landscape irrigation system.
c. Number of irrigation zones

Response: See Addendum #3, Item E.33.

137. Question: Is the contract intent for requirements for HVAC Testing, Adjusting and Balancing indicated under General Requirements Specification 01411 to be provided by a sub-contractor that is independent from the HVAC sub-contractor for the project, or is the intent for the HVAC sub-contractor to have that responsibility as indicated in Contract Specification D3050.50, I, C, 3, c.

Response: Provide an Independent Testing Agency as specified in Section 01411. The Performance Specifications define responsibilities of the Design-Builder and do not assign those responsibilities to specific trades or subcontractors unless explicitly indicated.

138. Question: Contract Specification D2010.20, I, B, 5 and D3020.00, I, D, 5, b and D300.00, I, A, 9, d (14), (b) requires for Zone #6 of the domestic hot water heating system to supply hot water for a radiant floor heating system in the Daycare Center.

Verify that the contract intent is for the domestic water heater, and not the building heating boilers, or electrical radiant floor heating system, to be the means to heat the floor in the Daycare Center

Response: Confirmed.

139. Question: Contract Specification G2060.00, II, D, 5 refers to a "Guardhouse". However, the location of that "Guardhouse" is not indicated in Contract Drawings AS-101, C-05 or C-06.

Response: The Guardhouse is shown and labeled on Drawing AS-101 near the bus drop-off entrance from Dorothy Avenue.

140. Question: Contract Drawing A-101 to A-103 do not indicate location for the elevator control rooms required for the following elevators:

ED01 (adjacent to Stair #D1 in the third floor)

ED02 (adjacent to the Auditorium in the second floor)

ED03 (adjacent to the Media Center in the second floor)

The remaining three (3) elevators are shown with elevator control rooms in the Contract Drawings.

Response: See Item B.2.e. above.

141. Question: Contract Specification D3020.00 does not indicate if the primary heating hot water loop is required to be provided with a 30% propylene glycol solution for freeze protection.

In responding to this RFI, please consider:

a. Contract Specification D3030.00 requires 30% propylene glycol solution for the primary chilled water loop.
b. Hot water coils for all roof mounted HVAC units on this project will be exposed to freezing conditions.

Response: See Item B.2.i. above.

142. Question: Contract Specification D3000.00, I, E, 1, b Requires for each hot water and chilled water coil of all rooftop equipment to be provided with freeze protection circulation pumps. Considering that the primary chilled water loop, and possibly the primary hot water loop, are to be provided with 30% propylene glycol solution, please clarify if freeze protection plans are still required for each chilled and hot water coil of rooftop HVAC units. [#382]

Response: See Item B.2.i. above.

143. Question: The opening in the Media Center floor to the space below will make it impossible to meet the STC requirement for the floor/ceiling assembly at that location. Please confirm that the STC requirements do not apply between the Media Center C201 and the lobby below.

Response: The opening in the Media Center floor to the Lobby below is enclosed with hollow metal framing and glazing. See the interior window type HF1, drawing A-601. The minimum composite STC rating of the interior walls between the Media Center and a circulation space is STC 35. See also Item B.2.a. above.

F. CHANGES TO PREVIOUS ADDENDA

(Not applicable)

G. ATTACHMENTS

Attachment 4.01 Price Proposal, revised June 12, 2019.

Attachment 4.02 Section PS1030.00 Project Criteria, revised June 12, 2019.

Attachment 4.03 Traffic Impact Analysis, revised June 18, 2018.

H. SUPPLEMENTAL INFORMATION

(Not applicable)

Any bidder attempting to contact government officials (elected or appointed), including NJSDA Board members, NJSDA Staff (except for Procurement), Selection Committee members, NJSDA Consultants, and School District officials for information relating to this project or in an effort to influence the selection process may be immediately disqualified.

End of Addendum No. 4

Corrado Minervini 6/19/2019

NJSDA Date
Program Director

STATE OF NEW JERSEY
SCHOOLS DEVELOPMENT AUTHORITY

32 E FRONT STREET
P.O. BOX 991
TRENTON, NJ 08625-0991
609-943-5955

Addendum No. 4

NJSDA
32 E. Front Street
Trenton, NJ 08625
Phone: 609-858-2984

DATE: **June 13, 2019**

PROJECT #: **ET-0099-B01**

DESCRIPTION: **New Perth Amboy High School**
Addendum No. 4

Acknowledgement of Receipt of Addendum

Contractor must acknowledge the receipt of the Addendum by signing in the space provided below and returning via email to Marty Taylor at mataylor@njsda.gov. Signed acknowledgement must be received prior to the Bid Due Date. Acknowledgement of the Addendum must be made in **Section F.5** of the Price Proposal Submission for Design Build Projects.

_____ _____
Signature Print Name

_____ _____
Company Name Date