
Addendum #4

New Jersey Schools Development Authority
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PROJECT #: NE-0003-B01
New South Street Elementary School
Newark Public Schools

DESCRIPTION: Addendum #4

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

A. CHANGES TO THE PROCUREMENT PROCESS:

NOTE that modifications to the following items will be shown as follows: additions in **bold and underlined** text; deletions in *strikethrough and italics*.

1. Modifications to the Request for Proposals – Deletion of Identification Requirements and Qualifications for the Safety Coordinator /Inspector and for the Quality Assurance/Quality Control Coordinator/Inspector

BACKGROUND: The Authority has decided to require an improvement in the qualifications for the Safety Coordinator /Inspector position and for the Quality Assurance/Quality Control Coordinator/Inspector position for the Project, including increasing the required years of experience for each position, requiring or requesting relevant certifications, and instituting a prohibition on having one single individual perform both functions (Safety and QA/QC).

Because these changes comes late in the procurement process, and the Design-Builders may need to adjust their staffing to conform to the new qualifications requirements, the Authority has decided that it **WILL NOT REQUIRE THE IDENTIFICATION OF A SAFETY COORDINATOR AND INSPECTOR OR A QUALITY ASSURANCE/QUALITY CONTROL COORDINATOR/INSPECTOR** in the Technical Proposal, and will not include the evaluation of such personnel as part of the Evaluation and Scoring Process for this procurement.

Instead, the Authority has chosen to make contractual changes to require the Design-Builder to employ or otherwise engage a separate individual, meeting the new qualifications requirements as outlined in this Addendum, for each position, and the contractual requirements for the employment and engagement of individuals meeting the new upgraded qualifications requirements for the Safety and

QA/QC positions need not be fulfilled now at the bidding stage, but will be deferred until after award and execution of the contract.

Accordingly, by way of this Addendum: 1) changes are made to the RFP to delete the previous requirements for identification in the Technical Proposal of a Safety Coordinator/Inspector and Quality Assurance/Quality Control Coordinator/Inspector; and 2) changes are made to the Design-Build Agreement to require the employment or engagement of persons meeting the increased qualifications requirements set forth in this Addendum at items B.2.a and B.2.b below.

a. **REVISE:** In Section 3.1.B of the RFP (“Identification and Qualification of Key Team Members”), numbered paragraph 1, the list of Key Team Members required to be identified in the Technical Proposal shall be modified to delete the positions of Safety Coordinator/Inspector and Quality Assurance/Quality Control Coordinator/Inspector as follows:

- a. Design-Builder’s Project Manager;
- b. Design-Builder’s Superintendent;
- ~~c. Design-Builder’s Safety Coordinator/Inspector;~~
- ~~d. Design-Builder’s Quality Assurance/Quality Control Coordinator or Inspector;~~
- e. Design-Builder’s Affirmative Action Coordinator.

b. **REVISE:** In Section 3.1.B of the RFP (“Identification and Qualification of Key Team Members”), in the NOTE appearing after numbered paragraph 3, delete the reference to the position of Safety Coordinator/Inspector as follows:

NOTE: Design-Builders are prohibited from identifying an individual as the Design-Builder’s **Superintendent** ~~or Safety Coordinator/Inspector~~ if that individual:

- 1) Has been identified as a **Superintendent** ~~or Safety Coordinator/Inspector~~ in response to any other active SDA procurement for which a Notice of Award has not yet been issued as of the date of submission of the Technical Proposal; or
- 2) Is currently performing as a **Superintendent** ~~or Safety Coordinator/Inspector~~ on an existing SDA project that has been awarded to the Design-Builder, and
 - a. an official Project Schedule for such Project has not yet been accepted and approved by the NJSDA; or
 - b. the date for Final Completion for the awarded Project, included in the official Project Schedule (as accepted and approved by NJSDA) will not occur before construction commences on the Project that is the subject of this procurement and thus the named **Superintendent** ~~and/or Safety Coordinator/Inspector~~ cannot simultaneously perform their duties on the awarded Project as well as the Project that is the subject of this procurement.

c. **DELETE:** In Section 3.1.B of the RFP (“Identification and Qualification of Key Team Members”), numbered paragraphs 4 and 5 describing the requirements for the Safety Coordinator/Inspector and Quality Assurance/Quality Control Coordinator/Inspector, respectively, shall be deleted in their entirety as follows:

~~4. The Design-Builder’s Safety Coordinator/Inspector is the person identified by the Design-Builder who performs safety management duties required of the Design-Builder, and serves as the Authority’s point of contact for all matters relating to project safety. The Design-Builder’s Safety Coordinator/Inspector enforces and implements the safety requirements of the Contract, including the Design-Builder’s Safety Plan. The Safety Coordinator/Inspector is on site at all times during building activities, foundations work, trench work and structural steel~~

~~erection. The Safety Coordinator/Inspector may also perform the duties of the Design-Builder's Quality Assurance/Quality Control Coordinator/Inspector, provided he/she meets the qualifications of each position. The Safety Coordinator candidate must have completed a 30-Hour OSHA Construction Industry Outreach Training Program, as well as scaffold training, and must have at least four years of construction industry experience.~~

~~5. The Design-Builder's Quality Assurance/Quality Control Coordinator/Inspector ("QA/QC Coordinator") is the person identified by the Design-Builder who shall be responsible for all construction quality issues, and shall perform coordination between the Design-Builder, subcontractors, and any independent testing labs, and shall have the authority to act for the Design-Builder in all construction quality control matters. The QA/QC Coordinator shall be on-site at all times during construction to perform construction quality control duties. The QA/QC Coordinator is permitted to serve as the Design-Builder's Safety Coordinator/Inspector as well. The QA/QC Coordinator shall have a minimum of four years' experience in a similar role.~~

- d. **DELETE:** In the second sentence of Section 3.9 of the RFP ("Technical Proposal Certification"), delete the reference to Safety Coordinator as follows:

The Design-Builder further certifies on this form that the individuals named as Superintendent and ~~Safety Coordinator~~ and Design Consultant's Project Manager and Design Consultant's Project Architect are or will be available to perform their designated functions on the Project, without any conflict or overlap with other SDA projects.

B. CHANGES TO THE PROJECT MANUAL:

NOTE that modifications to the following items will be shown as follows: additions in **bold and underlined** text; deletions in ~~strikethrough and italics~~.

1. Modifications to the Design-Build Agreement regarding Requirements and Qualifications for the CPM Scheduler for the Project

BACKGROUND: The Authority has decided to require that the Design-Builder employ or engage a qualified individual (with the following qualifications) that is employed by a firm with DPMC prequalification in the discipline of CPM Scheduling (P030), to act as the "CPM Scheduler" for the Project, to perform the functions and responsibilities detailed in the contract changes described below.

Note that if the Design-Builder is itself prequalified in the discipline of CPM Scheduling (P030), it may designate one of its own employees as the CPM Scheduler, if that individual meets the qualifications identified below.

- a. **REVISE:** Section 3.4 of the Design-Build Agreement (currently listed as "Deliberately omitted") shall be revised as follows to establish the requirements and qualifications for the position of "CPM Scheduler") for the Project as follows:

3.4 ~~Deliberately omitted~~ **CPM Scheduler. The CPM Scheduler shall be the person designated by the Design-Builder as the preparer and maintainer of all Critical Path Method ("CPM") schedules for the Project, including the Initial Milestone Schedule, the Design Phase Schedule and the Construction Schedule for the Project (the "Project Schedule").**

- a. **The CPM Scheduler shall be responsible to prepare the initial schedule submittals in consultation with the Design-Builder, and will be responsible for**

preparing all subsequent updates, schedule revisions, schedule proposals, fragments or other schedule-based submittals on behalf of, and in consultation with, the Design-Builder. The CPM Scheduler shall be responsible for meeting and consulting with the Design-Builder and the Authority and its CM in the event of any questions, comments or suggestions raised by the Authority or its CM regarding scheduling, or in the event of any disputes regarding any proposed or approved schedule for the Project, including the Initial Milestone Schedule, the Design Schedule and the Project Schedule.

- b. The CPM Scheduler shall have at least six years of experience in preparation, maintenance and updating of CPM Schedules on projects of similar size, scope and complexity. The CPM Scheduler shall also be experienced and familiar with the Primavera P6 Professional Project Management Scheduling software, version 6.2, or subsequent version, utilized by the Authority for the Project.
- c. The CPM Scheduler must be employed by an entity that is DPMC prequalified in the discipline of CPM Scheduling (P030). If the Design-Builder is itself DPMC prequalified in the CPM Scheduling discipline (P030), then the CPM Scheduler may be an employee of the Design-Builder who has the requisite qualifications to fulfill the position of CPM Scheduler. If the Design-Builder is not DPMC prequalified in the CPM Scheduling (P030) discipline, the Design-Builder must engage an entity that has the requisite prequalification and can supply an employee meeting the requisite qualifications to fulfill the position of CPM Scheduler for the Project.

2. Modifications to the Design-Build Agreement regarding Requirements and Qualifications for the Safety Coordinator and Inspector and for the Quality Assurance/Quality Control Coordinator

BACKGROUND: The Authority has decided to require an improvement in the qualifications for the Safety Coordinator and Inspector position and for the Quality Assurance/Quality Control Coordinator position for the Project, including increasing the required years of experience for each position, requiring or requesting relevant certifications, and instituting a prohibition on having one single individual perform both functions (Safety and QA/QC). These changes appear in the Design-Build Agreement as follows.

- a. **REVISE:** Section 6.9 of the Design-Build Agreement (“Quality Assurance /Quality Control (“QA/QC”)), shall be revised as follows to establish the requirements and qualifications for the position of Quality Assurance/Quality Control Coordinator (“QA/QC Coordinator”) for the Project as follows:

6.9 Quality Assurance/Quality Control (“QA/QC”). The Design-Builder shall have full responsibility for quality assurance and quality control throughout all phases of construction of the Project. The Design-Builder shall prepare and submit to CM a detailed written Quality Assurance/Quality Control (QA/QC) Program. CM shall review the Design-Builder’s QA/QC Program and recommend acceptance or rejection of the Program to the Authority within ten (10) Days of receipt of the Design-Builder’s QA/QC Program. The Authority will either accept or reject the Design-Builder’s QA/QC Program within five (5) Days of CM’s recommendation to the Authority. If the Authority rejects the Design-Builder’s QA/QC Program, the Design-Builder shall revise and resubmit the QA/QC Program to the Authority until it is accepted. Once the QA/QC Program is accepted, the Authority shall monitor the Design-Builder’s compliance with the Program to ensure that the Services and Work are performed to meet or exceed the requirements of the accepted QA/QC Program. As part of the Design-Builder’s QA/QC Program, the Design-Builder shall designate one (1) full-time employee whose sole responsibility will be to maintain and monitor the Design-Builder’s

compliance with its QA/QC Program (the “QA/QC Coordinator,” who shall have the responsibilities and qualifications listed in section 6.9.1 below. If the Design-Builder’s Services and/or Work fail to meet the accepted QA/QC Program, the Authority will implement a course of action to address the Design-Builder’s failure to comply with the QA/QC Program. The Authority’s actions to verify the Design-Builder’s compliance with the QA/QC Program shall not relieve the Design-Builder of its obligation to establish a QA/QC Program, comply with the QA/QC Program or meet the requirements of the Design-Build Contract Documents. The Design-Builder’s failure to comply with the requirements of this Section 6.9 shall be deemed an Event of Default under this Agreement. Such Event of Default may trigger Default remedies as stated in Section 20.0.

6.9.1 The Design-Builder’s Quality Assurance/Quality Control Coordinator/Inspector (“QA/QC Coordinator”) is the person identified by the Design-Builder who shall be responsible for all construction quality issues, and shall perform coordination between the Design-Builder, subcontractors, and any independent testing labs, and shall have the authority to act for the Design-Builder in all construction quality control matters. The QA/QC Coordinator shall be present on the Project Site at all times whenever Work is being performed, to perform construction quality control duties. The QA/QC Coordinator shall only perform construction quality control duties for the Project and shall not perform Construction Work, or clerical/ administrative work unrelated to QA/QC Coordinator duties, or perform additional roles or functions on the Project (e.g., Superintendent, Safety Coordinator and Inspector, etc). The QA/QC Coordinator shall have the following qualifications:

- a. A bachelor’s degree in Construction Management, Construction Engineering or a related field; and**
- b. Knowledge of current construction practices; and**
- c. Five years of experience as a Quality Control professional.**
- d. Additionally, the candidate’s credentialing as a Certified Manager of Quality/ Organizational Excellence by the American Society for Quality, or other related Quality Management certification (e.g., US Army Corps of Engineers/ Naval Facilities Engineering Command (NAVFAC) COM-C certification, or similar), is preferred, but not mandatory.**

- b. **ADD:** In Section 6.10 of the Design-Build Agreement (“Protection of Persons and Property”), add the following Subsection 6.10.1.1 to Section 6.10.1 (“General”) establishing the requirements for the position of Safety Coordinator and Inspector for the Project as follows:

6.10.1.1 Safety Coordinator and Inspector. The Design-Builder shall employ or engage a qualified individual as Design-Builder’s Safety Coordinator and Inspector for the Project. The Safety Coordinator and Inspector is the person identified by the Design-Builder who performs safety management duties required of the Design-Builder, and serves as the Authority’s point of contact for all matters relating to project safety. The Design-Builder’s Safety Coordinator and Inspector enforces and implements the safety requirements of the Contract, including the Design-Builder’s Safety Plan, and inspects the Work to ensure compliance with 1) OSHA regulations and guidelines; 2) the NJSDA Safety Manual; and 3) all applicable laws and regulations. The Safety Coordinator and Inspector shall be present on the Project Site whenever Work is being performed. The Safety Coordinator and

Inspector shall only perform safety management duties for the Project and shall not perform Construction Work, or clerical/ administrative work unrelated to Safety Coordinator and Inspector duties, or perform additional roles or functions on the Project (e.g., Superintendent, Quality Assurance/Quality Control Coordinator, etc.) The Safety Coordinator and Inspector shall have the following qualifications:

- a. A bachelor's degree in Safety and Health Management or other related field; and
- b. Five years of experience working as a safety professional; and
- c. Completion of 30-Hour OSHA Construction Outreach Training; and
- d. Completion of 24-Hour HAZWOPER training; and
- e. Certification as a Construction Health and Safety Technician;

3. Modifications to the Design-Build Agreement regarding Indemnification Provisions

- a. REVISE: Section 15.2 of the Design-Build Agreement ("Indemnification"), shall be revised as follows:

15.2 Indemnification

15.2.1 To the fullest extent permitted by law, the Design-Builder shall indemnify, protect, defend and save harmless the State of New Jersey, the Authority, CM, and the Project School District, as well as their respective agents, servants, officers, directors and employees, ~~from and against any loss, damage, injury, cost or expense including interest, attorney's fees and other expenses, and~~ from and against any claim, demand, liability, lawsuit, judgment, action or other proceeding including, but not limited to, all costs, fees and expenses, including, without limitation, attorney's fees, and expenses, court costs, expert witness fees and expenses, any resulting settlement, judgment award or other assessment of liability, interest and any other expenses, arising out of or resulting from, ~~in connection with, or as a result of~~ any of the following:

- (1) the negligent acts or omissions of the Design-Builder, its agents, servants, officers, employees, Subcontractors, Subconsultants or any other person acting at the Design-Builder's request, subject to its direction, or on its behalf, regardless of whether caused in part by the negligent act or omission of a party indemnified hereunder, provided it is not caused by the sole negligence of a party indemnified hereunder;
- (2) the loss of life or property, including the Work itself, or injury or damage to the person, body or property, including the Work itself, of any person or persons whatsoever, that arises or results directly or indirectly from the negligent acts or omissions by the Design-Builder, its agents, servants, officers, employees, Subcontractors, Subconsultants or any other person acting at the Design-Builder's request, subject to its direction, or on its behalf, regardless of whether caused in part by the negligent

act or omission of a party indemnified hereunder, provided it is not caused by the sole negligence of a party indemnified hereunder;

- (3) violation of or non-compliance with Federal, State, local and municipal laws and regulations, ordinances, building codes (including without limitation the Americans with Disabilities Act) arising from the performance or non-performance of, or arising out of conditions created or caused to be created by the Design-Builder, its agents, servants, officers, employees, Subcontractors, Subconsultants or any other person acting at the Design-Builder's request, subject to its direction, or on its behalf, regardless of whether caused in part by the negligent act or omission of a party indemnified hereunder, provided it is not caused by the sole negligence of a party indemnified hereunder.

C. CHANGES TO THE PERFORMANCE SPECIFICATIONS:

NOTE that modifications to the following items will be shown as follows: additions in **bold and underlined** text; deletions in *strikethrough and italics*.

1. **Volume 1 Procedural Specification**

1. Not applicable.

2. **Volume 2 Performance Specifications**

- a. **ADD:** In Section D2010.60, Plumbing Fixtures, add Paragraph II.V. as follows:

V. Outdoor Water Fountains

a. Use the following:

(1) Two-station, barrier-free units.

(2) Freeze-resistant valve system

b. Provide recessed hose bibb with locking door, cut off valve with low point drain, and locking seasonal covers.

c. Basis of Design for wall-mounted units: Model No. 475 WMSS by Most Dependable Fountains, Inc.

d. Basis of Design for pedestal-mounted units: Model No. 493 SMSS by Most Dependable Fountains, Inc.

- b. **ADD:** In Section G2060.00, Site Development, add Paragraph II.D.3. as follows:

3. Decorative Security Bollards

a. Basis of Design: DuMor Model No. 451-36-01, 36" ht. hex bollard.

(1) Bollard installation: S-1 embedded installation, in accordance with DuMor drawing 451-36-03/S-1X.

b. Finish: Manufacturer's standard polyester powder-coated finish; color Argento.

c. **ADD:** In Section B2010.00, Exterior Walls, add Paragraph II.A.5. as follows:

5. Stucco

a. Three-coat stucco assembly with enhanced water-resistive barrier coating and crack resistance: Liquid-applied water-resistive and air barrier with sheathing joint tape reinforcement, water-resistive barrier sheet, wire fabric or metal lath, fiber-reinforced scratch and brown coat (3/4"), fiberglass reinforcing mesh embedded in stucco leveling coat, and acrylic or elastomeric finish coat.

(1) Basis of Design: Armourwall 300 by Parex USA, Inc., with WaterMaster and Krak-Shield features.

b. Provide complete stucco assembly consisting of products of a single manufacturer designed and manufactured for use in an integrated stucco system.

d. **REPLACE:** In Section C2000.00, Interior Finishes, replace Tables C2000.00-1 and C2000.00-2 with revised tables, attached herewith as Attachment 4.2.

e. **ADD:** In Section D3000.00, Heating, Ventilation and Air Conditioning, add Paragraph I.A.8.d.(8)(a)(viii) as follows:

(viii) Storage Rooms C-109, B-200E and B-300C.

f. **ADD:** In Section D5030.10, Branch Circuits, add Paragraph I.D. as follows:

D. Specific Power Requirements

1. Laptop Charging Stations

a. In addition to code-required circuits, provide dedicated 20-amp circuits with duplex receptacles located 42" above finish floor.

b. Provide eight circuits distributed evenly around each of the following rooms:

(1) Storage Rooms C-109, B-200E and B-300C.

g. **MODIFY:** In Section D6000.00, Communications, modify Paragraph II.A.1. as follows:

1. The following products or manufacturers have been approved by the Authority for proprietary specification and use in this Project:

a. ~~Local area network components: Cisco~~ **Public address/clock system: Bogen Quantum.**

b. ~~Public address system: Bogen~~ **Security cameras: Digital Watchdog.**

c. ~~Security system: Honeywell Adameo~~ **Intrusion alarm system: Digital Security Controls.**

d. Network switches: Avaya/Nortel.

- h. **MODIFY:** In Section D7050.00, Detection and Alarm, modify Paragraph II.A.1. as follows:
1. The following products or manufacturers have been approved by the Authority for proprietary specification and use in this Project:
 - a. Fire alarm system: ~~Honeywell-Notifier~~ United Technologies/Edwards.

D. CHANGES TO THE DRAWINGS:

I. Not Applicable.

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

1. Question: Drawing AS-100 notes Granite Inlay with Compass Rose Base at the flagpole. Please provide details and type of granite to be used.

Answer: See Plan of Granite Compass Rose at Flagpole Base, SK-CR, dated 8/20/15, attached herewith as Attachment 4.1.
2. Question: Please confirm rooftop concrete equipment slabs are required to meet the acoustical performance criteria.

Answer: Refer to changes to the Acoustical Performance criteria listed in Addendum #2, C.B.2, dated August 11, 2105. The Design-Builders are advised that concrete rooftop concrete equipment slabs may be necessary to meet the acoustical performance criteria, however, it is the Design-Builders' responsibility to determine what design features are required to meet the specified acoustical performance standards.
3. Question: Decorative Security Bollards are noted in Section G2060.00 - Site Development but make or model number information is not listed; please provide.

Answer: See Changes to the Performance Specifications, Section C.2.b.3, Decorative Security Bollards, listed above.
4. Question: Guiderails are shown on Drawing AS-I 00; please provide specification for same.

Answer: See Design-Build Performance Specifications, Section G2010.00 Roadways and G2020.00 Parking Lots.
5. Question: Are gas outlets at teachers sinks, student tables, and fume hood required in the science labs?

Answer: Gas is to be located at the teacher's demonstration table, per Volume 3, Educational Specifications, Specification Sheet C-8, dated June 22, 2015.
6. Question: Section D2010.20 C.5. refers to Acid waste piping and an Acid tank. Will acids be used only at the teachers stations or the student tables as well? The design calls for PE pipe, can Labwaste CPVC be utilized in lieu of PE?

Answer: All sinks within the Science Labs Grades 6-8 (B307 and B309), and the Prep Room (B314) shall receive PE acid waste piping.

7. Question: Section D2010.20 C.4 refers to seismic performance. Please provide the design criteria (Category I Class I Importance Factor). If the criteria allows MEP to be exempt per code are seismic requirements waived?

Answer: The Design-Builders' Design Consultant must determine the seismic performance requirements to meet all applicable codes.

8. Question: Are house traps required for sanitary outlets?

Answer: Sanitary sewer house traps are not required, unless required by applicable Codes.

9. Question: Please confirm road opening and utility connection fees are waived.

Answer: School projects constructed by SDA 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, as broadly defined in the statute. 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.

However, NJSDA projects are not exempt from road opening permits and/or fees, therefore, the Design-Builder is responsible for all road opening permits and associated costs.

10. Question: Are ASME rated expansion tanks required for the Domestic Hot Water Heating System?

Answer: Pressure vessels and related safety devices must be rated and/or certified as required by applicable Codes.

11. Question: Outdoor drinking fountains are shown on Drawing AS-I 00 but not specified in Section D20 1 0.60; please provide specifications.

Answer: See Changes to Performance Specifications, Section C.2.a, Outdoor Water Fountains listed above.

12. Question: Please advise if Armored Cable can be used in lieu of Conduit for the Fire Alarm.

Answer: No.

13. Question: Section 06000.00-Communications Article II.A. I.a lists Cisco as a proprietary specification for the local area network components while section 01010 identifies Avaya/Nortel for network switches; please confirm Avaya/Nortel is correct.

- Answer: Confirmed. See Changes to Performance Specifications, C.2.g listed above.
14. Question: Please confirm coax risers are not required linking the IDF and MDF.
- Answer: Confirmed. Coax risers are not required linking the IDF and MDF rooms.
15. Question: Has the utility provided a letter confirming uninterruptable gas service?
- Answer: Yes. This letter is located in Volume 3 of the Project Manual, Utility Report/Will Serve Letters, Appendix E.
16. Question: Please confirm a lightning risk analysis does not need to be performed.
- Answer: Yes. A Lightning Risk Analysis is required to be performed during the Preliminary Design Phase. Refer to NJSDA Model Schools, Materials and Systems Standards, Section D5080.10A Lightning Protection Design Approach.
17. Question: Please confirm a digital video distribution system is required.
- Answer: Confirmed. An IP based digital video distribution system is required.
18. Question: Please confirm that demonstration observation cameras as listed in section 06000.00 are required.
- Answer: Confirmed. The demonstration observation camera is required.
19. Question: Please confirm that cable service is available to the site.
- Answer: Confirmed. See Volume 3, Existing Conditions Reports, Utility Investigation Report, dated Revision 6/22/15.
20. Question: Please confirm that all interactive display devices will include all projection equipment.
- Answer: Interactive display devices do not include ceiling mounted projectors.
21. Question: Please confirm cast fittings are not acceptable.
- Answer: Correct. Cast fittings are not acceptable.
22. Question: Please confirm that (4) 4" conduits is required from the MPOE to the DMARC.
- Answer: Confirmed. (4) 4" conduits are required from the MPOE to the DMARC.
23. Question: Section D6000.00-Communications lists Honeywell ADEMCO as a proprietary specification for the Security System; Honeywell is not listed in Section 01010. Please advise.
- Answer: See Changes to Performance Specifications, Section C.2.g, listed above.
24. Question: Documents contain a preliminary geotechnical investigation report dated April 2015; is there a final report?

Answer: No. See response to Bidder Question #10 and #17, in Addendum #3, dated August 14, 2015.

25. Question: Section D7050.00 - Detection and Alarm lists Honeywell Notifier as the proprietary specification for the Fire Alarm System while section 01010 lists United Technologies/Edwards; please advise.

Answer: See Changes to Performance Specifications, Section C.2.h, listed above.

26. Question: If the code required stand pipe is not required by code to be "Automatic", please confirm the SDA will accept a manual stand pipe.

Answer: No. Provide Automatic Wet Standpipe per NJSDA Model Schools, Materials and System Standards, Section D4010.10.I.a.3.

27. Question: Section G4010.00 Site Electrical Distribution notes Rigid nonmetallic conduit is not to be used; please confirm this is correct.

Answer: Incorrect. Rigid non-metallic conduit is permissible for site electrical distribution.

28. Question: Section 05010.00 Site Communications Systems notes Rigid nonmetallic conduit is not to be used; please confirm this is correct.

Answer: Incorrect. Rigid non-metallic conduit is permissible for site data communications (or low voltage electric).

29. Question: Please confirm Stainless Steel Railings are required for all Exterior locations as listed in section 82080.00.

Answer: Stainless steel railings are required.

30. Question: Section 82080, (I) A I.G lists Window Guards and Exterior Sunscreens which are not shown on the drawings; please clarify if required.

Answer: Window Guards and Exterior Sunscreens are not required.

31. Question: Detail C1/A-601 notes HM doors are to be used in Service/Maintenance/Receiving Areas; please confirm wood doors are to be used at all other interior locations.

Answer: Hollow Metal doors and frames are required in Food Service (C-102A) doors to Receiving corridor (C-110), Custodial Workroom/Lockers/Toilets (C-107), Custodial Office Backup ECC (C-108)(Rated), Receiving (C-110), Fire Pump Room (C-111), MDF Room (C-112), Emergency Electric Room (C-113), Electric Room (C-114) Boiler Room (C-115), Water Service Room (C-116).

32. Question: Please confirm that the Structural Steel fabricator and erector must be AISC certified.

Answer: The SDA does not require this certification, however, the Design-Builder must follow all presiding code requirements.

33. Question: Please confirm that the bleachers are in two separate banks NOT one continuous bank.

Answer: Two separate banks of bleachers are required. Refer to NJSDA Model Schools, Materials and System Standards, Section E2010.00.11.B Fixed Furniture: Telescoping Bleachers.

34. Question: Please confirm that the bleachers are called to be powered.

Answer: Yes. Refer to NJSDA Model Schools, Materials and System Standards, Section E2010.00.11.B, Fixed Furniture: Telescoping Bleachers.

35. Question: For design purposes, and in compliance with NJAC 7:29, NJ Noise Control Statue, please confirm the hours of School Operation.

Answer: See response to Bidder Question #51 (listed below).

36. Question: For the “Integrative Design Process” Credit, the project designers need to perform a preliminary “simple box” energy modeling analysis before the completion of schematic design which explores how to reduce energy loads in the building and accomplish related sustainability goals by questioning default assumptions. Was this energy model and analysis part of the design process? If so, can that documentation be shared with the prospective bidders to confirm if this credit could be applicable to the project?

Answer: An energy model and analysis was not prepared during the current design process, however, the Design-Builder can perform this task during their Preliminary Design Phase to achieve this credit.

37. Question: Similarly, for the “Integrative Design Process” Credit, the project designers also need to perform a preliminary water budget analysis before the completion of schematic design that explores how to reduce potable water loads in the building and accomplish related sustainability goals. Was this analysis part of the schematic design process? If so, could that documentation be shared with the prospective bidders to confirm if this credit could be applicable to the project?

Answer: A preliminary water budget analysis was not prepared during the current design process, however, the Design-Builder can perform this task during their Preliminary Design Phase to achieve this credit.

38. Question: The second pre-requisite for Sustainable Sites requires that an environmental site assessment be completed for the sites in order for the project to be eligible for LEED v4 BD+C Schools Certifications. Conduct a Phase I Environmental Site Assessment as described in ASTM E1527–05 (or a local equivalent) to determine whether environmental contamination exists at the site. If contamination is suspected, conduct a Phase II Environmental Site Assessment as described in ASTM E1903–11 (or a local equivalent). Please confirm that this assessment has been completed and that it conforms with the requirements of LEED v4 BD+C for Schools.

Answer: An Environmental Site Assessment has been completed and will be provided to the successful bidder. However, it is the Design-Builders’ responsibility to review and determine if the Assessment conforms to the current LEEDv4 requirements.

39. Question: Has the end-user/ Newark Public School District and NJSDA approved of the lower flow rates on all indoor water fixtures associated with the Water Efficiency Pre-requisite #2? Low flow and dual flush fixtures will be required to meet this pre-requisite for LEED Certification. In addition to typical toilet room and sink fixtures, LEED v4 requires that water consuming appliances, equipment, and processes must meet the requirements listed in Tables 4 and 5 of the LEED v4 BD+C Schools Guide. This includes cooking equipment such as food steamers, combination ovens, and dishwashers. Likewise, process water tempering requirements are included in this same pre-requisite affecting heat exchangers and heating loops

Answer: Newark Public Schools has approved the use of low flow fixtures.

40. Question: Does the District and NJSDA fully understand the metering pre-requisite commitments and requirements with LEED v4? For water metering, the requirements are as follows: "Install permanent water meters that measure the total potable water use for the building and associated grounds. Meter data must be compiled into monthly and annual summaries; meter readings can be manual or automated. Commit to sharing with USGBC the resulting whole-project water usage data for a five-year period beginning on the date the project accepts LEED certification or typical occupancy, whichever comes first. This commitment must carry forward for five years or until the building changes ownership or lessee."

For Energy metering, the requirements are as follows:

"Install new or use existing building-level energy meters, or submeters that can be aggregated to provide building-level data representing total building energy consumption (electricity, natural gas, chilled water, steam, fuel oil, propane, biomass, etc). Utility-owned meters capable of aggregating building-level resource use are acceptable. Commit to sharing with USGBC the resulting energy consumption data and electrical demand data (if metered) for a five-year period beginning on the date the project accepts LEED certification. At a minimum, energy consumption must be tracked at one-month intervals. This commitment must carry forward for five years or until the building changes ownership or lessee."

Answer: Yes. The District and NJSDA understand the metering requirements.

41. Question: Would the District be agreeable to the installation of sub-meters as required for WE Credit Water (Sub)Metering? The requirements are as follows: "Install permanent water meters for two or more of the following water subsystems, as applicable to the project: · Irrigation. Meter water systems serving at least 80% of the irrigated landscaped area. Calculate the percentage of irrigated landscape area served as the total metered irrigated landscape area divided by the total irrigated landscape area. Landscape areas fully covered with xeriscaping or native vegetation that requires no routine irrigation may be excluded from the calculation. · Indoor plumbing fixtures and fittings. Meter water systems serving at least 80% of the indoor fixtures and fitting described in WE Prerequisite Indoor Water Use Reduction, either directly or by deducting all other measured water use from the measured total water consumption of the building and grounds. · Domestic hot water. Meter water use of at least 80% of the installed domestic hot water heating capacity (including both tanks and on-demand heaters). · Boiler with aggregate projected annual water use of 100,000 gallons (378 500 liters) or more, or boiler of more than 500,000 BtuH (150 kW). A single makeup meter may record flows for multiple boilers. · Reclaimed water. Meter reclaimed water, regardless of rate. A reclaimed water system with a makeup water connection must also be metered so that the true reclaimed water component can be determined. · Other process water. Meter at least 80% of expected daily water consumption for process end uses, such as

humidification systems, dishwashers, clothes washers, pools, and other subsystems using process water.”

Answer: The NJSDA has identified what credits the District is supportive of in Addendum #2, dated August 11, 2015, however, the successful Design-Builder can suggest additional credits for review by the District and the SDA during the design process.

42. Question: The EA Prerequisite for Minimum Energy Performance requires that a Whole-Building Energy Simulation be completed in design or that prescriptive compliance with the ASHRAE 50% Advanced Energy Design Guide be met in the design process. The Basis of Design Drawings and Specifications do not appear to meet the performance criteria of either option. Please confirm that the building envelope design has been confirmed to meet one of these performance pre-requisites.

Answer: A Whole Building Energy Simulation was not prepared during the current design process, however, the Design-Builder must perform this task during their Preliminary Design Phase in accordance with the SDA Design Manual for Design-Build Projects.

43. Question: For the “EA Credit: Optimize Energy Performance”, the credit requires that an energy performance target be identified no later than the schematic design phase. The target must be established as kBtu per square foot-year of source energy use. Was this analysis performed by the project designers in the schematic design phase? If so, please share the whole building energy simulation or the prescriptive compliance with ASHRAE Advanced Energy Design Guide. It appears that the building skin is not designed to meet these requirements.

Answer: An energy performance target was not prepared during the current design process, however, the Design-Builder can perform this task during their Preliminary Design Phase to achieve this credit.

44. Question: Would the district be agreeable to the requirements to share sub-metered energy use associated with the “EA Credit: Advanced Energy Metering”? The credit requires the following: “Install advanced energy metering for the following: · all whole-building energy sources used by the building; and · any individual energy end uses that represent 10% or more of the total annual consumption of the building. The advanced energy metering must have the following characteristics. · Meters must be permanently installed, record at intervals of one hour or less, and transmit data to a remote location. · Electricity meters must record both consumption and demand. Whole-building electricity meters should record the power factor, if appropriate. · The data collection system must use a local area network, building automation system, wireless network, or comparable communication infrastructure. · The system must be capable of storing all meter data for at least 36 months. · The data must be remotely accessible. · All meters in the system must be capable of reporting hourly, daily, monthly, and annual energy use.”

Answer: The NJSDA has identified what credits the District is supportive of in Addendum #2, dated August 11, 2015, however, the successful Design-Builder can suggest additional credits for review by the District and the SDA during the design process.

45. Question: Does Newark have a “Demand-Response” system in place in this particular neighborhood? This is in regards to “EA Credit: Demand Response”? Would the District agree to participate in a DR system? The requirements of participating in a DR system for this credit are as follows: Participate in an existing demand response (DR) program and complete the

following activities. Design a system with the capability for real-time, fully-automated DR based on external initiation by a DR Program Provider. Semi-automated DR may be utilized in practice. Enroll in a minimum one-year DR participation amount contractual commitment with a qualified DR program provider, with the intention of multiyear renewal, for at least 10% of the estimated peak electricity demand. Peak demand is determined under EA Prerequisite Minimum Energy Performance. Develop a comprehensive plan for meeting the contractual commitment during a Demand Response event. Include the DR processes in the scope of work for the commissioning authority, including participation in at least one full test of the DR plan.”

Answer: The NJSDA has identified what credits the District is supportive of in Addendum #2, dated August 11, 2015, however, the successful Design-Builder can suggest additional credits for review by the District and the SDA during the design process.

46. Question: For the “MR Credit: Building Life-Cycle Impact Reduction” Credit, the most feasible way to achieve this credit on this project would be to have developed a Whole Building Life-Cycle Assessment in the early design phase. Was this work completed in Schematic Design? An outline of the requirements follows below: “For new construction (buildings or portions of buildings), conduct a life-cycle assessment of the project’s structure and enclosure that demonstrates a minimum of 10% reduction, compared with a baseline building, in at least three of the six impact categories listed below, one of which must be global warming potential. No impact category assessed as part of the life-cycle assessment may increase by more than 5% compared with the baseline building. The baseline and proposed buildings must be of comparable size, function, orientation, and operating energy performance as defined in EA Prerequisite Minimum Energy Performance. The service life of the baseline and proposed buildings must be the same and at least 60 years to fully account for maintenance and replacement. Use the same life-cycle assessment software tools and data sets to evaluate both the baseline building and the proposed building, and report all listed impact categories. Data sets must be compliant with ISO 14044. Select at least three of the following impact categories for reduction:
- global warming potential (greenhouse gases), in CO₂e;
 - depletion of the stratospheric ozone layer, in kg CFC-11;
 - acidification of land and water sources, in moles H⁺ or kg SO₂;
 - eutrophication, in kg nitrogen or kg phosphate;
 - formation of tropospheric ozone, in kg NO_x, kg O₃ eq, or kg ethene; and
 - depletion of nonrenewable energy resources, in MJ.”

Answer: The Whole Building Life-Cycle Assessment was not completed, however the Design-Builder can perform this analysis, and will bear any associated costs as long as it meets or exceeds other project requirements.

47. Question: The current basis of design for the project does not meet the daylighting requirements listed under the “EQ Credit: Daylight”. Will the NJSDA allow for significant re-design of window fenestrations to allow the project to be eligible for this credit?

Answer: The question lacks sufficient detail to allow NJSDA to specifically address the bidder’s contention that the basis of design does not meet the “EQ Credit: Daylight” requirement. Design-Builders are advised that their bids must reflect the costs of a design that meets the project requirements; the successful Design-Builder may, after award, propose design revisions to achieve additional LEED credits, but any such proposal is subject to review and approval by the Authority and the District.

48. Question: In Addendum 2, the acoustical requirements were revised and now require us to design to the ANSI S12.60-2010. As such, there are several design elements that are no longer going to be an option. Most unit ventilators will not meet the acoustical design goal. ACT ceilings will be likely needed throughout. We won't know the design goal for sound isolation of the exterior of the building until the outdoor noise study is complete. All interior partitions will need to be full height with no gaps for open plenum returns without 90° transfer ducts. Single 8" CMU walls will not meet the sound isolation requirements for core space -to- core space. It is very likely that we will need a concrete roof if there are going to be RTU's. All windows will need to meet a minimum of STC-35. In the past, the acoustical design goal for the HVAC noise was 40 dB(A) and the sound isolation goals and lower background noise level were optional to achieve additional LEED points. Now, with all of these requirements mandatory, this will increase the cost of construction. Does the SDA really want to design to all parts of the ANSI standard or just the background sound level portions in the core spaces. If all parts are required to meet the ANSI standard, the cost of the project will increase to meet the requirements.

Answer: The NJSDA has provided sufficient guidance with regards to this question. See Addendum #2, dated August 11, 2015.

49. Question: Please clarify whether the cost of Noise Study is part of the Building Envelope Acoustic allowance or is it to be included in the Design and Construction Services Costs.

Answer: The cost of the Outdoor Noise Study itself required by revised SDA Acoustical Performance Requirements (Addendum No. 2, Changes to Performance Specifications, Item B) is to be included in the Design-Builder's design and construction services cost, not in the Allowance.

50. Question: With respect to Addendum #2 the Exterior Noise Control (Item k on page 13 of 19), is the cost to provide equipment that will improve the acoustical performance to be carried in the bid or in the allowance? It would seem impossible to be able to determine the noise characteristics of equipment without them having to be analyzed and evaluated by the sound consultant after the bid. Please advise.

Answer: The Design-Builder is required to provide a design which complies with the requirements of N.J.A.C. 7:29 Noise Control and shall include the costs associated with such a design in their price proposal as part of the project design and construction services cost. There is no relationship between the Allowance for Building Envelope Acoustical Enhancements and this requirement. However, see related response to Bidder Question #51 (below).

51. Question: In order to determine the applicability of N.J.A.C. 7:29 Noise Control regulations we will need to know whether the facility is to be used, with environmental control, after 10:00 PM and before 7:00 AM. Please advise. If the building is to be used after 10:00 PM and before 7:00 AM will the noise reduction costs be carried in the allowances?

Answer: While school operations may occur between these hours, for purposes of compliance with N.J.A.C. 7:29, bidders may assume that the chiller plant will not operate between the hours of 10:00 PM and 7:00 AM.

52. Question: Addendum #2, Paragraph 1. "Substantiation" on page 13 of 19 requires a test protocol where the design components cannot be certified for acoustically rated materials,

equipment, assemblies and junctures between assemblies. Are the Design-Builders to be held responsible for these field tests where no design is required if SDA standards are used?

Answer: It is unclear what is meant by "if SDA standards are used". As indicated in the referenced addendum item, substantiation of compliance with acoustical performance requirements through field inspection and testing protocols is required when the Design-Builder is unable to demonstrate compliance through engineer's certification. As indicated in 2.e.(1), the SDA Materials and Systems Standard Table of Assemblies and Materials (TAM) may be used as a guide for selection of interior partition systems. Provided that such assemblies are constructed in accordance with SDA Materials & Systems requirements and are continuous in accordance with 2.e of this section, they will be accepted as satisfying the minimum STC requirements for interior partitions without the required engineer's certifications. Assemblies which are not covered by the TAM, such as building envelope assemblies and floor-ceiling assemblies must be certified or otherwise substantiated in accordance with referenced section 2.l. ("Substantiation").

53. Question: On page 10 of 19 of Addendum 2 it is required that the acoustical engineer to be certified by INCE or similarly recognized professional acoustics organizations. We are proposing JMS Acoustics as an acceptable Acoustical engineer for this project. JMS Acoustics is currently working on NJSDA projects. They are members of INCE, Acoustical Society of America, and National Council of Acoustical Consultants. Principal- J. Michael Spencer holds both undergraduate and advanced degrees in Acoustical Engineering. JMS is able to provide lab and/or field testing to demonstrate project compliance. Is JMS testing, inspections Acoustics acceptable to the SDA as an Acoustical Engineer for this project?

Answer: Based on the information supplied by the bidder, it does not appear that JMS Acoustics has the INCE certification or equivalent certification required by the specifications revised by Addendum #2. At this time, with the limited information supplied, NJSDA cannot evaluate JMS Acoustics' alternative qualifications to determine acceptability.

54. Question: It is our understanding that the answer to question 26 in Addendum 3 establishes that the 21st Century Design Manual is not applicable to this project, and that the provisions of the Performance Specifications supersede those of the Material and Systems Standards. Is it the intent that if there is a standard in any of the NJSDA design documents that will not produce a performance in accordance with those listed in Addenda 1, 2, and 3, with regard to sound and noise, that the performance criteria supersedes the actual standard itself. If so, since we don't have a Noise Study we would not be able to determine if there is a conflict. How is this to be handled? Please advise.

Answer: See response to Bidder Question #55 (listed below).

55. Question: Please confirm that our understanding of Addendum #2 Performance Qualification on page 13 paragraph I. (2) of 60 dB A applies to all materials, equipment even though a particular material or equipment is specifically prescribed by other SDA standard documents?

Answer: The provisions of referenced paragraph 2.i.(2) apply only to building envelope acoustical enhancements which are determined necessary in order to address off-site noise sources as determined by the required Outdoor Noise Study. The Design-Builder is required to provide a design which meets or exceeds all project requirements. Any performance criteria for individual building components established by the Project Performance Specifications (such as the minimum STC rating of 35 for windows) are minimum requirements. It is the responsibility of the Design-Builder to provide assemblies of components which satisfy the

minimum acoustical performance requirements for such assemblies, which may require that individual components of those assemblies exceed the minimum component performance criteria established by their sections of the Performance Specifications.

56. Question: On page 12 of 19 paragraph g (3) ii for example, the Building Envelope Minimum OITC Rating for roofs and walls without windows is 41. From our understanding this is an expensive enhanced construction far beyond normal standards evidenced in the various SDA Design Manuals. Others on page 12 have similar cost impacts. Are these to be used for bidding purposes without the benefit of a Noise Study and without the benefit of knowing whether the sound levels exceed 60 dB A (1 (2) page 13 or is all of this impact to be carried under the allowance? Please advise.

Answer: Yes. In accordance with paragraph 2.i of that section, if, based upon the findings and recommendations of the Outside Noise Study, it is determined that enhancements to building envelope design and construction are necessary in response to off-site noise sources, the Allowance for Building Envelope Acoustical Enhancements shall be utilized for the cost of such enhancements. Therefore, with the exception of such potential building envelope enhancements, the Design-Builder's design and construction services costs shall include construction which conforms to the minimum acoustical performance criteria as established by Addendum No. 2, Changes to Performance Specifications, Item B.

F. CHANGES TO PREVIOUS ADDENDA:

NOTE that modifications to the following items will be shown as follows: additions in **bold and underlined** text; deletions in *strikethrough and italics*.

1. Addendum #1, Changes to Performance Specifications:

The changes to the Performance Specification identified shall be revised as follows:

a. **MODIFY:** In Section D5040.30, Interior Lighting, modify Paragraph II.A.7. as follows:

7. Corridors: Recessed 2' x 4' **2-lamp fluorescent LED** with white reflector and **12 baffles 52% open perforated metal diffuser; similar to Basis of Design Lithonia Series 2ES8P 2AVL.**

b. **MODIFY:** In Section D5040.30, Interior Lighting, modify Paragraph II.A.12. as follows:

7. Stair landings: Round 16" surface mounted **fluorescent LED** with vandal resistant lens; *Basis of Design Kenall Millennium.*

c. **MODIFY:** In Section D5040.30, Interior Lighting, modify Paragraph II.A.13. as follows:

7. Under stairs: Surface 6" x 4' **fluorescent LED** with vandal-resistant lens under each stair.

2. Addendum #2, Section C., modify Paragraph B.2.e. as follows:

- e. Interior Acoustical Performance – Attenuation of Airborne Sound – Wall and floor-ceiling assemblies that separate core learning spaces from adjacent spaces, including doors, windows, and penetrations in such assemblies, shall be designed

in accordance with the requirements of ANSI S12.60 Section per 5.4.2. Unless approved by the SDA, the separation of all core learning spaces from other core learning spaces and from ancillary spaces shall be installed from the floor slab to the underside of the floor deck above and from wall to wall.

3. Addendum #1, Bidders Question #29:

Table 06000.00-1 Communications Responsibilities lists ceiling-mounted projectors are by Design/Builder but room area calculations and Fit-Out Lists E-1 7, E-18, E-20, E-22, E-23 and E-26 notes the projectors are provided by SDA TEC; please advise.

Clarification/Answer:

The All ceiling mounted projectors and motorized projection screens shall be provided by the *SDA Design-Builder, and- b##* shall be installed by the Design-Builder.

G. ATTACHMENTS:

1. Attachment 4.1 Sheet SK-CR, Plan of Granite Compass Rose at Flagpole Base, dated 08/20/15.
2. Attachment 4.2 Revised Table C2000.00-1, Interior Floor Finishes (Basis of Design), dated June 22, 2015, Revised August 21, 2015.
3. Attachment 4.3 Revised Room Area Calculations for South Street ES, Revised 08/20/15, Sheets: E-1, E-8, E-9, E-10, E-17, E-18, E-20, E-22, E-23, E-26, E-32 and E-33.
4. Attachment 4.4 Revised Identification Of Design Builder's Required Key Team Members Form, revised August 21, 2015.

H. SUPPLEMENTAL INFORMATION

1. Not Applicable.

Any bidder attempting to contact government officials (elected or appointed), including NJSDA Board members, NJSDA Staff, and Selection Committee members in an effort to influence the selection process may be immediately disqualified.

End of Addendum No. 4


NJSDA _____ Date 8/21/15



Addendum #4

New Jersey Schools Development Authority
Office of Procurement
32 East Front Street
Trenton, NJ 08625
Phone: 609-858-2981
Fax: 609-656-2647

Date: August 21, 2015

PROJECT #: NE-0003-B01
New South Street Elementary School
Newark Public Schools

DESCRIPTION: Addendum #4

Addendum No. 4

Acknowledgement of Receipt of Addendum

Contractor hereby acknowledges the receipt of the Addendum by signing in the space provided below and returning via fax to (609-656-2647) or e-mail (aperry@njsda.gov). Signed acknowledgement must be received prior to the Bid Due Date. Acknowledgement of the Addendum must be made in **Section E.5 of the Price Proposal Submission.**

Signature

Print Name

Company Name

Date

IDENTIFICATION OF DESIGN BUILDER'S REQUIRED KEY TEAM MEMBERS

LIST ALL REQUIRED KEY TEAM MEMBERS as indicated in section 3.1.B of the RFP ("Identification and Qualification of Design Builder's Key Team Members")

Project Manager (the individual designated by the Bidder to serve as its representative and be available for general consultation throughout the Project):

Superintendent (the individual designated by the Bidder who serves as the Authority's on-site point of contact in all matters relating to the Work including, but not limited to, scheduling of work, supervision of subcontractors, testing and utility interruptions and connections):

~~**Safety Coordinator/Inspector** (the individual identified by the Bidder who performs safety management duties required of the Bidder, and serves as the Authority's point of contact for all matters relating to project safety):~~

Identification of Safety Coordinator/Inspector NOT required for this Procurement

~~**Quality Assurance/Quality Control Coordinator** (the individual identified by the Bidder who shall be responsible for all construction quality issues, and shall perform coordination between the Bidder, subcontractors, and any independent testing labs, and shall have the authority to act for the Bidder in all construction quality control matters):~~

Identification of QA/QC Coordinator NOT required for this Procurement

Affirmative Action Coordinator (the individual identified by the Bidder who shall serve as a liaison with the Authority's Compliance Inspector and who shall be responsible for coordinating the firm's affirmative action program, maintaining all required records and forms)

PRE-KINDERGARTEN CLASSROOM	CODE	Provided By				Size			Total Rooms = 4		
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Occupants											
Students					●		--		15	20.00	300.00
Teacher					●		--		2	20.00	40.00
Wall and Ceiling Mounted Equipment											
Sound Enhancement Speakers**		●							1		
Sound Enhancement System**		●							1		
Clock**		●							1		
Flag	FLG1				●				1		
Intercom System**		●							1		
Tackstrip -above magnetic whitebord with flag/map holder	TS1	●							1		
Tack Board - 3 LF	TB3	●							1		
Tack Board - 4 LF	TB4	●							1		
Tack Board - 8 LF	TB8	●							1		
Magnetic White Board - 6 LF	MWB1	●							2		
Wall Mounted Interactive Board**	IWB1			●					1		
Floor Furniture and Equipment											
Teacher Desk	TD1		●			2.50	x	6.00	1	15.00	15.00
Teacher Chair	TCH1		●			2.00	x	2.00	1	4.00	4.00
Student Table - Trapezoid	STT1		●			1.58	x	3.67	2	4.35	8.70
Student Comp.Table - Rectangular (4ft)	SCT1		●			2.50	x	4.00	1	10.00	10.00
Student Chairs	SC1		●			1.33	x	1.33	18	1.77	31.84
Teacher Rocking Chair			●			2.50	x	2.50	1	6.25	6.25
Student Table - Full circle (small)			●			2.50	x	dia	0	4.90	4.90
Student Table - Full circle (large)			●			3.00	x	dia	2	7.07	7.07
Student Printer Table	SPT1		●			2.50	x	2.50	1	6.25	6.25
Interactive Table Device**			●			2.42	x	3.00	1	7.26	7.26
Mobile Pedestal for Lap Top	TPOD		●			2.00	x	2.00	1	4.00	4.00
Chart Stand			●			1.00	x	3.00	1	3.00	3.00
Student Easel (2 sided)	SE1		●			2.00	x	2.00	2	4.00	8.00
Student Faux Play Kitchen Appliance & Refridge.	SK2		●			1.25	x	7.75	1	9.69	9.69
Student Sand and Water Table	SWT1		●			2.50	x	3.50	1	8.75	8.75
Student Computer Table (4ft)	SCT1		●			2.50	x	4.00	1	10.00	10.00
Mats/cots (15)	SCM1		●			2.00	x	4.33	1	8.66	8.66
Student Computer Chair	SCH1		●			1.33	x	1.33	2	1.77	3.54
Student Bean Bag Chair	SBB1				●	1.00	x	1.50	4	1.50	6.00
Storage / Fixed Cabinetry and Equipment											
Wall & Base Cabinets w/ Sink/Bubbler	SA1	●				2.00	x	7.00	1	14.00	14.00
File cabinet (2-drawer vertical)	FCV2		●			1.25	x	2.33	2	2.91	5.83
Discovery Counter Station	DCS1		●			2.00	x	8.00	1	16.00	16.00
Bookcase - Wood	SBW2		●			1.25	x	3.00	5	3.75	18.75
Student Storage-Tote	SST1		●			1.25	x	3.00	5	3.75	18.75
Student Wardrobe Hook and Cubby (Total 15)	SCB1		●			1.50	x	4.00	5	6.00	27.00
Student Storage Large Book Display	SLB1		●			1.50	x	3.00	1	4.50	4.50
Storage Cabinet	SCBT1		●			2.00	x	3.00	2	6.00	12.00
Teacher Wardrobe/Storage	TWS1		●			2.00	x	3.00	1	6.00	6.00
Equipment (no floor impact)											
Telephone**									1		
Dramatic Play Hooks	SST1		●				x		1	0.00	0.00
Teacher Computer**	TCP1			●					1		
Student Computer**	SCP1			●					2		
Printer**	PR1			●					2		
Other Program Considerations											
Area Rug					●				2	100.00	
Diaper Change Station-located in Toilet Room		●				1.67		2.92	1	4.88	
MINIMUM SF - PRE-KINDERGARTEN CLASSROOM											625.73
MODEL SF - PRE-KINDERGARTEN CLASSROOM											900.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

SCIENCE LAB (GRADES 6-8)	CODE	Provided By				Size			Total Rooms =		2
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	
Occupants											
Student					•				24	20.00	480.00
Teacher					•				1	20.00	20.00
Wall and Ceiling Mounted Equipment											
Sound Enhancement Speakers**		•							1		
Sound Enhancement System**		•							1		
Clock**		•							1		
Flag	FLG1				•				1		
Intercom System**		•							1		
Tackboard - 8 LF	TB1	•							1		
Tackstrip -above tackboard with flag/map holder	TS1	•							1		
Wall Mounted Interactive Board**	IWB1			•					1		
Magnetic White Board - 24 LF	MWB1	•							0		
Moveable Interactive Device (Grade 8 Lab Only)**				•		1.00	x	6.00	1	6.00	6.00
Floor Furniture and Equipment											
Student Chairs	SC2		•			1.67	x	1.50	24	2.51	60.12
Student Table	TBL1		•			1.50	x	6.00	12	9.00	108.00
Teacher Chair	TCH1		•			2.00	x	2.00	1	4.00	4.00
Teacher Desk	TD1		•			2.50	x	6.00	1	15.00	15.00
Storage / Fixed Cabinetry and Equipment											
Bookcase	SBC2		•			1.25	x	3.00	0	3.75	0.00
File Cabinet	FCV4		•			1.25	x	2.33	1	2.91	2.91
Microscope Storage Cabinet	MSC1	•				2.00	x	3.00	1	6.00	6.00
Demo Station w/ Sink	TDC2	•				2.50	x	6.00	1	15.00	1.00
Two-Sided Fume Hood (Grade 8 Lab Only)		•				3.00	x	6.00	1	18.00	1.00
Laptop Charging Cart (w/24 Student Computers)**				•		1.70	x	3.92	1	6.66	6.66
Mobile Pedestal for Lap Top	TPOD		•			2.00	x	2.00	1	4.00	4.00
Storage Cabinet	SCBT1	•				2.00	x	3.00	2	6.00	12.00
Emergency Shower and Eyewash Unit		•				2.00	x	3.00	3	6.00	18.00
Perimeter Work Counter/6 Sinks & Overhead Storage		•				2.00	x	70.00	1	140.00	140.00
Teacher Wardrobe/Storage	TWS1		•			2.00	x	3.00	1	6.00	6.00
Equipment (no floor impact)											
Telephone**				•					1		
First Aid and Fire Blanket Cabinet		•							1		
Goggle Cabinet			•						1		
Teacher Computer**	TCP1			•					1		
Printer**	PR1			•					1		
MINIMUM SF - SCIENCE LAB (GRADE 6-8)											890.70
MODEL SF* - SCIENCE LAB (GRADE 6-8)											1300.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

SCIENCE STORAGE/PREP	CODE	Provided By				Size			Total Rooms =		2
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	
Occupants	-				•						
Occupants					•				1.00	20.00	20.00
Storage / Fixed Cabinetry and Equipment											
Storage for 48 Science Kits			•			1.50	x	24.00	1	36.00	36.00
Lockable Flammable Materials Cabinet			•			2.00	x	3.67	3	7.34	22.02
Lockable Chemical Storage Cabinet		•				2.00	x	3.00	3	6.00	18.00
Perimeter Work Counter/Sink & Overhead Storage		•				2.00	x	9.00	1	18.00	18.00
MINIMUM SF - SCIENCE KIT STORAGE PREP											114.02
MODEL SF* - SCIENCE KIT STORAGE PREP											200.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

WORLD LANGUAGES CLASSROOM	CODE	Provided By				Size			Total Rooms =		1
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Occupants											
Student					●				23	20.00	460.00
Teacher					●				1	20.00	20.00
Wall and Ceiling Mounted Equipment											
Sound Enhancement Speakers**	SP1	●							1		
Sound Enhancement System**	SE1	●							1		
Clock**	CL1	●							1		
Telephone**	TL1			●					1		
Flag	FLG1				●				1		
Intercom System**	IS1	●							1		
Tackboard-16 LF	TB1	●							1		
Tackboard-3 LF	TB1	●							1		
Tackstrip -above tackboard with flag/map holder	TS1	●							1		
Wall Mounted Interactive Board**	IWB1			●					1		
Magnetic White Board - 26 LF	MWB1	●							1		
Floor Furniture and Equipment											
Teacher Desk	TD1		●			2.50	x	6.00	1	15.00	15.00
Teacher Chair	TCH1		●			2.00	x	2.00	1	4.00	4.00
Student Desk Trapezoidal	SD2		●			1.74	x	3.33	21	4.34	91.14
Chart Stand			●			1.00	x	3.00	1	3.00	3.00
Laptop Charging Cart (w/24 Student Computers)**			●			2.17	x	3.88	1	8.42	8.42
Mobile Pedestal for Lap Top	TPOD		●			2.00	x	2.00	1	4.00	4.00
Library Chairs	C2		●			1.83	x	2.00	2	3.66	7.32
Lectern			●			1.25	x	2.00	1	2.50	2.50
Student Chairs	SC1		●			1.67	x	1.50	29	2.51	72.65
Rainbow Table			●			3.00	x	6.00	1	10.60	10.60
Student Table - Rectangle (5ft)	STR1		●			2.50	x	5.00	1	12.50	12.50
Student Storage Large Book Display	SLB1		●			1.50	x	3.00	1	4.50	4.50
Student Printer Table	SPT1		●			2.50	x	2.50	1	6.25	6.25
Folding Director's Chair					●	1.00	x	1.50	1	1.50	1.50
Storage / Fixed Cabinetry and Equipment											
File cabinet (4-drawer vertical)	FCV4		●			1.25	x	2.33	2	2.91	5.83
Storage Bins			●			1.25	x	6.00	1	7.50	7.50
Horizontal File Cabinet			●			1.00	x	3.00	1	3.00	3.00
Bookcase - Wood	SBW2		●			1.25	x	3.00	8	3.75	30.00
Storage Cabinet	SCBT1		●			2.00	x	3.00	2	6.00	12.00
Teacher Wardrobe/Storage	TWS1		●			2.00	x	3.00	1	6.00	6.00
Equipment (no floor impact)											
Telephone**				●					1		
Teacher Computer**	TCP1			●					1		
Printer/Scanner & DOC Reader**	PRS2			●					2		
MINIMUM SF - WORLD LANGUAGE											787.70
MODEL SF* - WORLD LANGUAGE											830.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

MULTI-PURPOSE/ASSEMBLY ROOM	CODE	Provided By				Size			Total Rooms =		1*
		SDA				D	x	W	QTY.	SF/UNIT	TOTAL SF
		DB/GC	FFE	Tech	District						
ASSEMBLY USE	-										
Occupants	-				●				300	8.00	2400.00
Wall and Ceiling Mounted Equipment											
Main Stage Curtain		●							1		
Local Sound System*		●							1		
Theatrical Lighting System		●							1		
Motorized Screen and Projector**		●							1		
Clock**		●							1		
Flag	FLG1				●				1		
Floor Furniture and Equipment											
Chairs	C2		●			1.33	x	1.50	294	2.00	586.53
MINIMUM SF - MULTI-PURPOSE/ASSEMBLY ROOM											2986.53
MODEL SF* - MULTI-PURPOSE/ASSEMBLY ROOM											3000.00

MULTI-PURPOSE/ASSEMBLY ROOM	CODE	Provided By				Size			Total Rooms =		*SAME ABV
		SDA				D	x	W	QTY.	SF/UNIT	TOTAL SF
		DB/GC	FFE	Tech	District						
PRE-K GROSS MOTOR USE	-										
Occupants	-				●						
Occupants	-								30	100.00	3000.00
MINIMUM SF - MULTI-PURPOSE/ASSEMBLY ROOM											3000.00
MODEL SF* - MULTI-PURPOSE/ASSEMBLY ROOM											3000.00

TABLE/CHAIR STORAGE	CODE	Provided By				Size			Total Rooms =		1
		SDA				D	x	W	QTY.	SF/UNIT	TOTAL SF
		DB/GC	FFE	Tech	District						
Storage for Chairs & Tables	-										
MINIMUM SF - TABLE/CHAIR STORAGE											
MODEL SF* - TABLE/CHAIR STORAGE											200.00

STAGE	CODE	Provided By				Size			Total Rooms =		1
		SDA				D	x	W	QTY.	SF/UNIT	TOTAL SF
		DB/GC	FFE	Tech	District						
Occupants											
Occupants (Choral & Instrumental Orchestra on Stage)					●				50	18.00	900.00
Wall and Ceiling Mounted Equipment											
Clock**		●							1		
Intercom System**		●							1		
Sound Enhancement System*		●							1		
LCD Screen and Projector**				●					1		
Local Music Sound System*		●									
Floor Furniture and Equipment											
Conductor's Podium with Chair and Stand	CP1		●			3.58	x	3.17	1	11.35	11.35
Student Music Chairs (Stackable)	CH1		●			1.67	x	1.92	45	3.21	144.29
Music Stand			●			1.00	x	0.50	50	0.50	25.00
Tone Bells					●	1.00	x	4.50	1	4.50	4.50
Base Drum					●	1.58	x	3.00	1	4.74	4.74
Electronic Keyboard					●	1.08	x	4.67	1	5.04	5.04
Snare Drum					●	1.50	x	1.50	2	2.25	4.50
Kettle Drum Set					●	2.00	x	7.00	1	14.00	14.00
Xylophone					●	1.50	x	4.00	1	6.00	6.00
Storage / Fixed Cabinetry and Equipment											
Counter w/ Storage & Sink	SA1	●				2.00	x	6.00	1	12.00	12.00
MINIMUM SF - STAGE/INSTRU. MUSIC ROOM											1131.42
MODEL SF* - STAGE/INSTRU. MUSIC ROOM											1204.00

STAGE STORAGE ROOM	CODE	Provided By				Size			Total Rooms =		1
		SDA				D	x	W	QTY.	SF/UNIT	TOTAL SF
		DB/GC	FFE	Tech	District						
Storage for music equipment											
Carts for Music Chairs	TL1		●			2.00	x	4.25	2	8.50	17.00
Music Stand Carts (20 per Cart)			●			2.17	x	5.67	3	12.30	36.91
Choral Riser Storage Cart (Portable tiered risers for 75)			●			2.50	x	7.00	2	17.50	35.00
MINIMUM SF - STAGE STORAGE ROOM											88.91
MODEL SF* - STAGE STORAGE ROOM											100.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

CAFETERIA	Provided By					Size			Total Rooms =		1
	CODE	DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Occupants	-				●						
Occupants	-				●				200	8.00	1600.00
Wall and Ceiling Mounted Equipment											
Local Sound System*		●							1		
Clock**		●							2		
Intercom System**		●							1		
Motorized Screen and Projector**		●							2		
Flag	FLG1				●				1		
Floor Furniture and Equipment											
Chairs			●			1.50	x	1.67	184	2.51	460.92
Table-mobile, double table-folding - w/ attached benches			●			4.33	x	12.00	2	51.96	103.92
Table Round			●			6.00	x	6.00	23	28.27	650.21
Trash/Recycle Receptacle					●	2.00	x	2.00	4	4.00	16.00
Vending Machines*					●	3.17	x	3.50	3	11.10	33.29
MINIMUM SF - CAFETERIA											2864.34
MODEL SF* - CAFETERIA											3200.00

STORAGE ROOM(S)	Provided By					Size			Total Rooms =		2
	CODE	DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
To store Cafeteria tables & stackable chairs / to include after-school enrichment storage.											
MINIMUM SF - STORAGE ROOM											125.00
MODEL SF* - STORAGE ROOM(S)											125.00

FOOD SERVICE	Provided By					Size			Total Rooms =		2
	CODE	DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Wall and Ceiling Mounted Equipment											
Telephone**				●					1		
Clock**		●							1		
Intercom System**		●							1		
Floor Furniture and Equipment											
Full Service Kitchen including serving lines & storage		●							1	0.00	2300.00
Cashier Stool			●			1.75	x	1.75	2	3.06	6.13
Equipment (no floor impact)											
Smallwares - pots, pans, spoons, etc.					●					0.00	0.00
Cash Register**					●				2	0.00	0.00
MINIMUM SF - FOOD SERVICE											2306.13
MODEL SF* - FOOD SERVICE											2550.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

GYMNASIUM	Provided By					Size			Total Rooms =		1
	CODE	DB/GC	SDA FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Occupants	-										
Occupants	-				●				48	100.00	4800.00
Wall and Ceiling Mounted Equipment											
Clock**		●							2		
Intercom System**		●							1		
Flag	FLG1				●				1		
Pull Up Bars	PUB1	●							2		
Climbing Wall		●							1		
Folding Basketball Goals		●							6		
Volleyball Sleeves and Standards (Pairs)		●							3		
Motorized Screen and Projector**		●							2		
Tackboard - 12 LF	TB1	●							1		
Tackstrip -above tackboard with flag/map holder	TS1	●							1		
Markerboard - 4 LF	MB1	●							1		
Floor Furniture and Equipment											
Moveable Interactive White Board**				●							
Scorer Table*			●			2.00	x	5.00	1	10.00	10.00
Folding chairs			●			2.00	x	2.00	2	4.00	8.00
Bleachers (Retractable)		●				3.33	x	36.00	2	119.88	239.76
Equipment (no floor impact)											
Wall Pads (End Walls)		●									
Electronic Scoreboard*		●							1		
Local Sound System*		●							1		
Telephone**				●					1		
MINIMUM SF - GYMNASIUM										5057.76	
MODEL SF* - GYMNASIUM										5600.00	

PE OFFICE	Provided By					Size			Total Rooms =		2
	CODE	DB/GC	SDA FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Occupants	-										
1st Occupant	-				●				1	60.00	60.00
Additional Occupants					●				1	15.00	15.00
Wall and Ceiling Mounted Equipment											
White Board - 4 LF		●							1		
Clock**		●							1		
Floor Furniture and Equipment											
Office Desk			●			2.50	x	5.00	1	12.50	12.50
Desk Return			●			2.00	x	4.00	1	8.00	8.00
Desk Chair			●			2.00	x	2.00	1	1.00	1.00
Guest Chair			●			1.58	x	1.58	1	2.00	2.00
Storage / Fixed Cabinetry and Equipment											
File Cabinet 4 Drawer Lateral	FCL4		●			1.50	x	2.50	1	3.75	3.75
Teacher Wardrobe Storage			●			2.00	x	3.00	1	6.00	6.00
Bookcase			●			1.00	x	2.50	1	2.50	2.50
Equipment (no floor impact)											
Administrative Computer**				●					1		
Administrative Printer**				●					1		
Telephone**				●					1		
MINIMUM SF - PE OFFICE										110.75	
MODEL SF* - PE OFFICE										125.00	

STORAGE ROOM(S)	Provided By					Size			Total Rooms =		2
	CODE	DB/GC	SDA FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Floor Furniture and Equipment											
Industrial Shelving		●				2.50	x	3.00	10	7.50	75.00
MINIMUM SF - STORAGE ROOM										75.00	
MODEL SF* - STORAGE ROOM(S)										200.00	

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

VOCAL MUSIC ROOM	CODE	Provided By				Size			Total Rooms =		1
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Occupants											
Student					●				24	20.00	480.00
Teacher					●				1	20.00	20.00
Wall and Ceiling Mounted Equipment											
Sound Enhancement Speakers**		●							1		
Sound Enhancement System**		●							1		
Music Sound System*		●							1		
Clock**		●							1		
Intercom System**		●							1		
Pull Down Screen and Projector**		●							1		
Flag	FLG1				●				1		
Tackboard-8 LF	TB1	●							1		
Tackstrip - above tackboard with flag/map holder	TS1	●							1		
Wall Mounted Interactive Board**	IWB1			●					1		
Floor Furniture and Equipment											
Teacher Desk	TD1		●			2.50	x	6.00	1	15.00	15.00
Teacher Chair	TCH1		●			2.00	x	2.00	1	4.00	4.00
Conductor's Podium with Chair and Stand	CP1		●			3.58	x	3.17	1	11.35	11.35
Mobile Pedestal for Lap Top	TPOD		●			2.00	x	2.00	1	4.00	4.00
Upright Piano					●	2.83	x	4.83	1	13.67	13.67
Student Music Chair with Moveable Tablet Arm	SMC1		●			1.67	x	1.92	23	3.21	73.75
Easel			●			1.25	x	2.00	1	2.50	2.50
Storage / Fixed Cabinetry and Equipment											
File cabinet (4-drawer vertical)	FCV4		●			1.25	x	2.33	1	2.91	2.91
Storage Bin			●			5.42	x	1.25	1	6.78	6.78
Sound System Cabinet*			●			1.50	x	2.00	1	3.00	3.00
Tall Sheet Music Folio Cabinet			●			1.58	x	2.67	2	4.22	8.44
Storage Cabinet	SC1		●			1.50	x	3.00	2	4.50	9.00
Teacher Wardrobe/Storage	TWS1		●			1.50	x	3.00	1	4.50	4.50
Equipment (no floor impact)											
Telephone**				●					1		
Teacher Computer**	TCP1			●					1		
Community Rug (12'-0" x 8'-0")					●				1		
MINIMUM SF - VOCAL MUSIC ROOM											658.89
MODEL SF* - VOCAL MUSIC ROOM											900.00

VOCAL MUSIC STORAGE ROOM	CODE	Provided By				Size			Total Rooms =		1
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Open Shelving		●				1.50	x	3.00	3	4.50	13.50
MINIMUM SF - STORAGE ROOM											13.50
MODEL SF* - STORAGE ROOM											50.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

INSTRUMENTAL MUSIC OFFICE	CODE	Provided By				Size			Total Rooms =		1
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	
Occupants											
Students					●				35	20.00	700.00
Teacher					●				1	20.00	20.00
Wall and Ceiling Mounted Equipment											
Intercom System**		●							1		
Clock**		●							1		
Sound Enhancement System**		●							1		
Music Sound System*		●							1		
Pull Down Screen and Projector**		●							1		
Tackboard - 8 LF	PS1	●							1		
Tackstrip - above tackboard with flag/map holder	TS1	●							1		
Wall Mounted Interactive Board**	IWB1			●					1		
Floor Furniture and Equipment											
Teacher Desk	TD1		●			2.50	x	6.00	1	15.00	15.00
Teacher Chair	TCH1		●			2.00	x	2.00	1	4.00	4.00
Conductor's Podium with Chair and Stand	CP1		●			3.58	x	3.17	1	11.35	11.35
Mobile Pedestal for Lap Top	TPOD		●			2.00	x	2.00	1	4.00	4.00
Student Music Chairs (Stackable)	CI1		●			1.67	x	1.92	30	3.21	96.19
Music Stand			●			1.00	x	0.50	36	0.50	18.00
Tone Bells				●		1.00	x	4.50	1	4.50	4.50
Base Drum				●		1.50	x	3.00	1	4.50	4.50
Electronic Keyboard				●		1.08	x	4.67	1	5.04	5.04
Snare Drum				●		1.50	x	1.50	2	2.25	4.50
Kettle Drum Set				●		2.00	x	8.00	1	16.00	16.00
Xylophone				●		1.50	x	4.00	0	6.00	0.00
Storage / Fixed Cabinetry and Equipment											
Counter w/ Overhead Storage & Sink	SA1	●				2.00	x	6.66	1	13.32	13.32
Storage Cabinet	SCBT1		●			2.00	x	3.00	1	6.00	6.00
Teacher Wardrobe	TWS1		●			2.00	x	3.00	1	6.00	6.00
Sound System Cabinet			●			1.50	x	2.00	1	3.00	3.00
Instrument Storage Cabinets			●			3.00	x	2.00	15	6.00	90.00
File cabinet (2-drawer vertical)	FCV4		●			1.25	x	2.33	1	2.91	2.91
Tall Sheet Music Folio Cabinet			●			1.58	x	2.67	3	4.22	12.66
Equipment (no floor impact)											
Telephone**									1		
Teacher Computer**	TCP1			●					1		
MINIMUM SF - INSTRUMENTAL MUSIC OFFICE/LESSON ROOM											1036.97
MODEL SF* - INSTRUMENTAL MUSIC OFFICE/LESSON ROOM											1200.00

INSTRUMENTAL PRACTICE ROOM	CODE	Provided By				Size			Total Rooms =		1
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	
Occupants											
Students					●				2	20.00	40.00
Teacher					●				1	20.00	20.00
Floor Furniture and Equipment											
Student Music Chairs (Stackable)	CI1		●			1.67	x	1.92	2	3.21	6.41
Music Stand			●			1.00	x	0.50	2	0.50	1.00
Teacher Chair	TCH1		●			3.58	x	3.17	1	11.35	11.35
MINIMUM SF - INSTRUMENTAL PRACTICE ROOM											78.76
MODEL SF* - INSTRUMENTAL PRACTICE ROOM											80.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

MEDIA CENTER - READING ROOM STACKS	CODE	Provided By				Size			Total Rooms=		1
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT	TOTAL SF
Occupants											
Occupants (25-50)					●				50	20.00	1000.00
Teachers/Staff 1 (+1 Assistant Librarian)					●				2	20.00	40.00
Wall and Ceiling Mounted Equipment											
Clock**		●							1		
Pull Down Screen and Projector**		●							1		
Intercom System**		●							1		
Flag	FLG1				●				1		
Tackboard - 4 LF	TB1	●							1		
Tackstrip -above tackboard with flag/map holder	TS1	●							1		
Floor Furniture and Equipment											
Circulation Desk	MCCD1		●			20.00	x	2.50	1	49.00	49.00
Circulation Desk Chair	MCDC1		●			1.83	x	2.00	2	3.66	7.32
Mobile Book Cart	MCMB1		●			1.75	x	2.50	2	4.38	8.75
Bookshelves (Stacks)	MCBST1		●			1.00	x	3.00	68	3.00	204.00
Bookshelves On Wheels	MCBST2		●			1.00	x	3.00	0	3.00	0.00
Display Case	MCDCS1		●			2.00	x	5.00	2	10.00	20.00
New Book Display	NBDP1		●			2.00	x	3.00	1	6.00	6.00
Tall Storage			●			2.00	x	3.00	0	6.00	0.00
Media Case			●			2.00	x	3.00	1	6.00	6.00
Card Catalog			●			2.00	x	3.00	1	6.00	6.00
Map/Atlas Stand	MCMAS1		●			2.00	x	2.50	0	5.00	0.00
Dictionary Stand	MCDIC1		●			2.00	x	2.50	0	5.00	0.00
Mobile Interactive Device				●		1.00	x	6.00	0	6.00	0.00
Student Cubbies			●			1.50	x	4.00	9	6.00	54.00
Student Table (3'x3')			●			3.00	x	3.00	0	9.00	0.00
Student Desk Trapezoidal	SD2		●			1.74	x	3.33	12	4.34	52.08
Student Chair	SC1		●			1.50	x	1.67	12	2.51	30.06
Student Study / Reading Chair	MCCH1		●			1.83	x	2.00	11	3.66	40.26
Computer Table Station (5ft)	MCMP1		●			2.50	x	5.00	12	12.50	150.00
Computer Chair	SCH1		●			1.33	x	1.33	24	1.77	42.45
Printer Table Station**	MCPS1		●			2.50	x	2.50	1	6.25	6.25
Teacher Rocking Chair			●			2.50	x	2.50	1	6.25	6.25
Student Storage Cabinet			●			2.00	x	3.00	0	6.00	0.00
Student Bean Bag Chair	SBB1				●	4.00	x	4.00	3	13.00	39.00
Magazine Rack	MCMRR1		●			2.00	x	3.00	1	6.00	6.00
Photocopier*	CPY1				●	4.50	x	2.50	1	11.25	11.25
Paperback Rack	MCPRR1		●			1.50	x	1.50	2	2.25	4.50
Equipment (no floor impact)											
Telephone**									1		
Computer at Circulation Desk**									1		
Printer at Circulation Desk**									1		
General Use Computer**									24		
Printer**									1		
Other Program Considerations											
Area Rug					●				1	100.00	
MINIMUM SF - MEDIA CENTER - READING ROOM STACKS											1789.17
MODEL SF *- MEDIA CENTER - READING ROOM STACKS											2400.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

SOCIAL WORKER OFFICE	CODE	Provided By				Size			Total Rooms = 1		
		DB/GC	SDA		District	D	x	W	QTY.	SF/UNIT	TOTAL SF
			FFE	Tech							
Occupants											
Occupants					●				4	20.00	80.00
Wall and Ceiling Mounted Equipment											
Clock	CL1	●							1		
Tack Board - 4 LF	TB4	●							1		
Magnetic White Board - 6 LF	MWB1	●							1		
Floor Furniture and Equipment											
Desk			●			2.00	x	6.00	1	12.00	12.00
Desk Chair			●			2.00	x	2.00	1	4.00	4.00
Student Table-Kidney	STK1		●			2.50	x	5.00	1	12.50	12.50
Student Table - Rectangle (5ft)	STR1		●			2.50	x	5.00	1	12.50	12.50
Guest Chair	C5		●			1.58	x	1.58	3	2.50	7.49
Storage / Fixed Cabinetry and Equipment											
Teacher Wardrobe/Storage	TWS1		●			1.50	x	3.00	1	4.50	4.50
Storage Cabinet	SCBT1		●			2.00	x	3.00	1	6.00	6.00
Bookcase	BC1		●			1.00	x	2.50	1	2.50	2.50
File Cabinet (4 Drawer Lateral)	FC4		●			1.50	x	2.50	1	3.75	3.75
Equipment (no floor impact)											
Telephone	TPJ1			●					1		
Computer	TCP1			●					1		
MINIMUM SF - SOCIAL WORKER OFFICE											141.49
MODEL SF *- SOCIAL WORKER OFFICE											175.00

GUIDANCE OFFICE	CODE	Provided By				Size			Total Rooms = 1		
		DB/GC	SDA		District	D	x	W	QTY.	SF/UNIT	TOTAL SF
			FFE	Tech							
Occupants											
Occupants					●				4	20.00	80.00
Wall and Ceiling Mounted Equipment											
Clock	CL1	●							1		
Markerboard - 4 LF	MB1	●							1		
Floor Furniture and Equipment											
Desk			●			2.00	x	6.00	1	12.00	12.00
Desk Chair			●			2.00	x	2.00	1	4.00	4.00
Round Table			●			3.00	x	3.00	1	7.00	7.00
Return Table			●			2.00	x	4.00	1	8.00	8.00
Guest Chair	C5		●			1.58	x	1.58	2	2.50	4.99
Storage / Fixed Cabinetry and Equipment											
Teacher Wardrobe/Storage	TWS1		●			1.50	x	3.00	1	4.50	4.50
Bookcase	BC1		●			1.00	x	2.50	1	2.50	2.50
File Cabinet (4 Drawer Lateral)	FC4		●			1.50	x	2.50	1	3.75	3.75
Equipment (no floor impact)											
Telephone	TPJ1			●					1		
Computer	TCP1			●					1		
MINIMUM SF - GUIDANCE OFFICE											122.99
MODEL SF *- GUIDANCE OFFICE											125.00

ATTENDANCE COUNSELOR OFFICE	CODE	Provided By				Size			Total Rooms = 1		
		DB/GC	SDA		District	D	x	W	QTY.	SF/UNIT	TOTAL SF
			FFE	Tech							
Occupants											
Occupants					●				3	20.00	60.00
Wall and Ceiling Mounted Equipment											
Clock	CL1	●							1		
Markerboard - 4 LF	MB1	●							1		
Floor Furniture and Equipment											
Desk			●			2.00	x	6.00	1	12.00	12.00
Desk Chair	C6		●			2.00	x	2.00	1	4.00	4.00
Return Table			●			2.00	x	4.00	1	8.00	8.00
Guest Chair	C5		●			1.58	x	1.58	2	2.50	4.99
Storage / Fixed Cabinetry and Equipment											
Teacher Wardrobe/Storage	TWS1		●			1.50	x	3.00	1	4.50	4.50
Bookcase	BC1		●			1.00	x	2.50	1	2.50	2.50
File Cabinet (4 Drawer Lateral)	FC4		●			1.50	x	2.50	1	3.75	3.75
Equipment (no floor impact)											
Telephone	TPJ1			●					1		
Computer	TCP1			●					1		
MINIMUM SF - ATTENDANCE OFFICE											99.74
MODEL SF *- ATTENDANCE OFFICE											125.00

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.

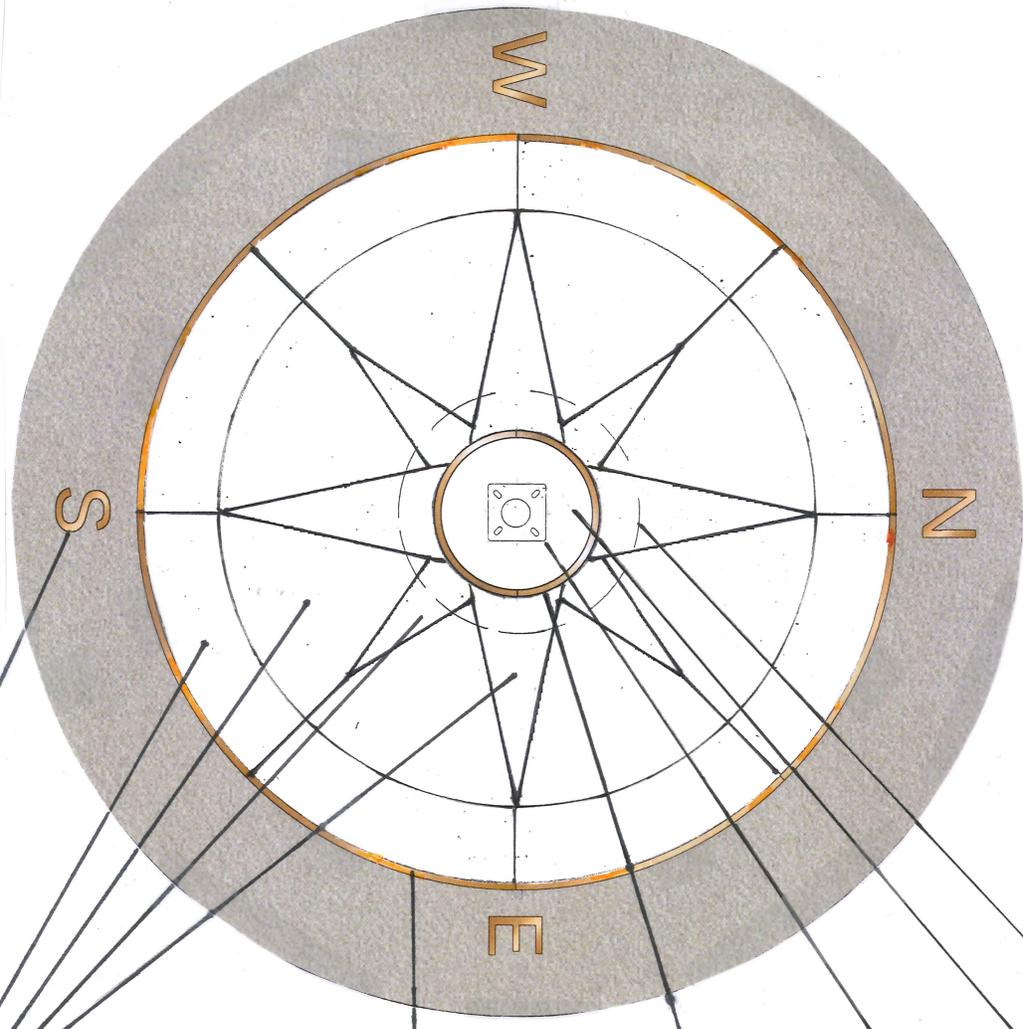
CONFERENCE/TESTING ROOM	CODE	Provided By				Size			Total Rooms =		1	
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT		TOTAL SF
Occupants					•					4	20.00	80.00
Wall and Ceiling Mounted Equipment												
Telephone	TPJ1			•						1		
Clock	CL1	•								1		
Markerboard - 4 LF	MB1	•								2		
Floor Furniture and Equipment												
Desk Chair	C6		•			2.00	x	2.00	4	4.00	16.00	
Computer Table (3ft.)	SCT3		•			2.00	x	3.00	2	6.00	12.00	
Computer Chair	SCH1		•			1.33	x	1.33	2	1.77	3.54	
Round Table			•			4.00	x	4.00	1	12.56	12.56	
Credenza	C5		•			1.50	x	6.00	1	9.00	9.00	
Equipment (no floor impact)												
Computer	TCP1			•						2		
MINIMUM SF - CONFERENCE TESTING ROOM											133.10	
MODEL SF* - CONFERENCE TESTING ROOM											149.00	

PARENT/COMMUNITY ROOM	CODE	Provided By				Size			Total Rooms =		1	
		DB/GC	FFE	Tech	District	D	x	W	QTY.	SF/UNIT		TOTAL SF
Occupants					•					9	20.00	180.00
Wall and Ceiling Mounted Equipment												
Telephone	TPJ1			•						1		
Clock	CL1	•								1		
Interactive White Board	IWB1		•							1		
Floor Furniture and Equipment												
Teacher Desk	TD1		•			2.50	x	6.00	1	15.00	15.00	
Teacher Chair	TCH1		•			2.00	x	2.00	1	4.00	4.00	
Teacher Return				•		2.00	x	4.00	1	8.00	8.00	
Round Table				•		4.00	x	4.00	2	12.60	25.20	
Guest Chair	C5		•			1.58	x	1.58	8	2.50	19.97	
Refridgerator					•	2.75		2.50	1	13.60	13.60	
Storage / Fixed Cabinetry and Equipment												
Sink Cabinetry w/ Storage Above & Below		•				9.00	x	2.00	1	18.00	18.00	
Teacher Wardrobe/Storage	TWS1		•			1.50	x	3.00	1	4.50	4.50	
Student Storage-Tote	SST1		•			1.25	x	3.00	2	3.75	7.50	
Equipment (no floor impact)												
Teacher Computer	TCP1			•						1		
MINIMUM SF - PARENT LIAISON-COMMUNITY ROOM											295.77	
MODEL SF* - PARENT LIAISON-COMMUNITY ROOM											300.00	

* Items which require electrical power

** Items which require electrical power and data connectivity

Note - Respective responsibilities of SDA and District for provision of FF&E and Technology Fit-Out to be determined.



Limit of partially recessed concrete flag pole footing below.

Exposed top portion of flagpole footing.
1'-11" diameter integrally colored concrete.
Color: Black, to match abutting black granite.

Flag pole anchor base plate.
(Note: Plate concealed by escutcheon collar after flagpole installation.)
See flagpole manufacturer's standard installation instructions and details for additional information.

1" wide x 3/4" thick x 2' - 0" outside diameter swirl finish bronze ring.
Ring assembled from two (2) equal length half-circle arc sections, secured with escutcheon plates.
Embed assembled bronze ring flush in exposed top portion of concrete flag pole footing, anchored in the concrete with threaded studs and nuts, minimum two (2) per arc section.

1" wide x 1/4" thick x 9' - 6" outside diameter swirl finish bronze ring.
Ring assembled from eight (8) equal length arc sections, secured with escutcheon plates.
Embed assembled bronze ring flush in new concrete sidewalk, anchored in the concrete with threaded studs and nuts, minimum three (3) per arc section.

2" thick thermal finish granite compass rose.
Granite to be set on a 4" thick concrete base, in a 1" modified mortar setting bed.
Joints in the granite compass rose to be swept with polymeric sand.
Color: Dark Grey.
Granite Colors:
Large Arrows: St. Johns Black
Small Arrows: Pine Green
Field: Carolina Pink
11" Wide Segmented Band: (alternating pattern consisting of four (4) pieces of Pine Green and four (4) pieces of St. Johns Black.

Letters "N", "S", "E" and "W" are to be 3/4" thick x 8" height swirl finish bronze in the kalinga Bold font, placed precisely 4" from the outer edge of the outer bronze ring. Embed letters flush in new concrete sidewalk, anchored in the concrete with threaded studs and nuts.
Provide a minimum of five (5) drilled and tapped threaded studs with nuts per letter.

Bases of Design:
Bronze rings and letters: I & G diversified, inc. New Brunswick, NJ
Granite: The North Carolina Granite Corp., Mount Airy, NC

Plan View: Granite Compass Rose at Flag Pole Base

Not to Scale

STATE OF NEW JERSEY
SCHOOLS DEVELOPMENT AUTHORITY
32 EAST FRONT STREET, TRENTON, NEW JERSEY 08625



NEW SOUTH STREET
ELEMENTARY SCHOOL
FOR
NEWARK PUBLIC SCHOOL DISTRICT
NEWARK, NJ

PLAN OF GRANITE
COMPASS ROSE
AT
FLAG POLE BASE

PROJECT # 35706410-02-0011
DATE 08/20/15
DRAWING # SK-CR

TABLE C2000.00-1 (Revised)
INTERIOR FLOOR FINISHES
(Basis of Design)

Location	Key	Style	Color
See drawings	VCT-1	Armstrong Excelon Multi Color	#52505 Harlequin White
See drawings	VCT-2	Armstrong Excelon Multi Color	#52524 Pageant Spice
See drawings	VCT-3	Armstrong Standard Excelon	#51866 Little Green Apple
See drawings	VCT-4	Armstrong Standard Excelon	#57508 Blue Dreams
See drawings	VCT-5	Armstrong SDT Tile	#51953 Pearl White
See drawings	VCT-6	<u>Armstrong Slip-Resistant VCT (for ramps)</u>	<u>#57005 Stone Beige</u>
See drawings	RFE-1	Stonhard Stone Shield SLT Medium Texture	Nutmeg
See drawings	RFE-2	Stonhard Stone Shield SLT Medium Texture	Cypress
See drawings	RFE-3	Stonhard Stone Shield SLT Medium Texture	Cobalt
See drawings	RFE-4	<u>Palma Decorative Flake (1/4" flake)</u>	<u>B101</u>
See drawings	RFE-5		
See drawings	RFE-6 RFU1	Stonhard Stonclad	Silver Gray
See drawings	RFE-7 SRF1	<u>Armstrong Medintech</u>	<u>#88486 Campanula Buff</u>
See drawings	CTU-1	<u>SDA Standard</u>	
See drawings	PRCF-1	<u>Robbins Pulastic Comfort Court 50 Classic 110</u>	<u>Beige</u>
See drawings	RWF-1	<u>SDA Standard</u>	
	VB-1	Armstrong Wall Base	#75 Desert Sand
	CTBU-1	<u>SDA Standard</u>	
	VRB-1	<u>SDA Standard</u>	<u>To match RWF</u>
<u>See drawings</u>	<u>CPT-1</u>	<u>(to be determined)</u>	<u>(to be determined)</u>
<u>See drawings</u>	<u>CPT-2</u>	<u>Shaw Constellation Tile</u>	<u>#59326</u>

TABLE C2000.00-2 (Revised)
INTERIOR WALL PAINT FINISHES
(Basis of Design)

Location	Key	Style	Color
See drawings	P-1	Benjamin Moore	#PM-13 Atrium White
See drawings	P-2	Benjamin Moore	#2156-40 August Morning
See drawings	P-3	Benjamin Moore	#529 Sweet Daphne
See drawings	P-4	Benjamin Moore	#803 Lazy Sunday
See drawings	P-5	Benjamin Moore	#2158-50 Manila
See drawings	P-6	Benjamin Moore	#2028-50 Wales Green
See drawings	P-7	Benjamin Moore	#800 Palatial Skies
See drawings	EP-1	Epoxy Wall Paint	#320 To match Benjamin Moore Atrium White

END OF SECTION C2000.00