



Appoquinimink School District
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STATE OF DELAWARE
Appoquinimink School District

December 4, 2017

TO: ALL OFFERORS

FROM: Bob Hershey

SUBJECT: ADDENDUM TO REQUEST FOR PROPOSAL NO. 3:
Appoquinimink School District
The New Whitehall Elementary School
Bid Package A

ADDENDUM NO. 3

TO

**APPOQUINIMINK SCHOOL DISTRICT
THE NEW WHITEHALL ELEMENTARY SCHOOL
BID PACKAGE 'A'
MIDDLETOWN, DELAWARE**

This addendum is hereby made part of the Project Manual and Drawings dated October 13, 2017.

The Project Manual and Drawings shall be supplemented or amended as specified herein.

This Addendum contains changes to the requirement of the Project Manual. Such changes shall be incorporated into the Contract Documents and shall apply to work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of a paragraph of the Project Manual, the remainder of the paragraph affected shall remain in force. Added information is shown as **Bold**, deleted information is shown as ~~strikethrough~~.

This Addendum contains changes to the requirement of the Drawings. Such changes shall be incorporated into the Contract Documents and shall apply to work with the same meaning and force as if they had been included in the original Documents. Whenever this Addendum modifies a portion of any

drawing, the remainder of the drawing affected shall remain in force. Added, deleted or revised information is shown as "clouded".

The conditions and terms of the basic Contract Documents shall govern work unless otherwise described in this Addendum. Whenever the conditions of work, and the quality or quantity of materials, or workmanship are not fully described in this Addendum, the conditions of work included in the basic Contract Documents for similar items of work shall apply to the work described in this Addendum.

If no similar items of work are included in the basic Contract Document, the best quality of material and workmanship shall apply and all work shall be subject to the written acceptance of the Architect.

It should be noted that the bid due date has been extended. Bids shall now be due on 14 December 2017 at 2 PM at the Marion Profitt Training Center 118 South Sixth Street, Odessa, DE 19730.

The contract documents for the above referenced project, dated October 13, 2017 are amended as follows:

GENERAL CLARIFICATIONS:

1. Date for Addendum #2 previously issued on November 29, 2017 was dated December 4 2017. The correct date should read November 29, 2017.
2. Specification Section 061600 - Sheathing TechVENT has been identified as an approved equal.
3. Specification Section 116800 Play Field Equipment and Structures - BCI Burke has been identified as an approved equal. No Product Data was provided in Pre Bid Question.
4. Specification Section 230450 – Refrigeration Equipment – HVAC – LG has been previously identified as an approved manufacturer.
5. Specification Section 230725 – Terminal Heating Units – Sigma Unit Heaters have been added as an approved manufacturer.

QUESTIONS AND ANSWERS: (1 – 27 answered in Addendum No. 1, 28 – 37 in Addendum No. 2)

- 38.) Please confirm that the following systems are the only systems to be used on the project. As publicly funded projects usually allow for multiple bidders. Security Instruments was hoping these systems would be opened up to more than one manufacturer. Please confirm.
- a. The Intrusion Detection System (280725) is locked to Delmarva Systems who is no longer in business, using Detection Systems as a product that is no longer in business.
 - b. The Integrated Access Control & Security Management System (280727) is locked to Software House CCure 9000 System.
 - c. The Fire Alarm and Detection Systems (280721) is locked to Simplex only.

Answer:

No response as of 12/4/17, it is expected in a future addendum.

- 39.)
- 1.) Please provide specification sections 120600 & 123216. They are not included in the project documents.
 - 2.) 8/A702, please verify that the doors and metal frames are NOT covered under Contract A-09.
 - 3.) Please provide a detail for closet shelving.
 - 4.) Verify that Contract A-09 is not responsible for locker enclosures as listed in specific scope Contract A-09, A, 3. Fillers and closures at student cubbies are part of A-09.
 - 5.) Specific scope for Contract A-09 lists solid surface column wraps, solid surface wall coverings with integral picture rails and solid surface base. None of these items can be found on the contract documents. Please verify these are not part of contract A-09 or this project.

Answer:

- 1.) Section 120600 was and is still included in the bid package. Section 123216 was added in Addendum #1.
 - 2.) Contract A-05 Carpentry & General Works shall be responsible for providing hardware and all doors that are not FRP or Aluminum. FRP and Aluminum doors shall be provided by contract A-08 Glass and Glazing.
 - 3.) No response as of 12/4/17, it is expected in a future addendum.
 - 4.) Per note 27 of contract A-05 Summary of Work, Carpentry & General Works is responsible for providing section 105113 Metal lockers. Refer to detail 6/A9.0 for a section. Any filler strips identified on the drawings are to remain part of contract A-09 Casework and Millwork.
 - 5.) Will be addressed in Addendum #3. See revised summary of work for Contract A-09 Casework and Millwork, note #7.
- 40.) On Sheet E3.2 in Lobby B128, there are two items shown that are not listed on the electrical legend. One is an "M" in a diamond; the other is an "R" in a diamond. Please clarify.

Answer:

"M" diamond and "R" diamond are fire alarm monitor/relay modules to interface with fire door.

- 41.)
- 1.) If a column footing does not give a pier dimension, is it safe to assume that the column bares on the footing?

2.) In the B section at column lines B1.6-BC and B2.5-BC the columns are shown as W8x40 at the foundation level. At the second floor level they appear to change to a HSS column, however, no size is given. Please provide a size for the HSS column above and a connection detail for hat it attaches to the W column.

Answer:

- 1.) Column footings without piers shall have the column bearing directly on the top of the footing.
- 2.) The column size above is HSS 6x6x3/8. The splice shall occur at the top of steel of the floor framing. WF column shall not extend above the floor slab.

42.) Please review the attached Lighting Substitutions from Diversified Lighting Associates.

Answer:

Substitutions will not be reviewed during bidding. Refer to drawing E6.1 Light Fixture Schedule, Note 1 and Specifications 260510, Paragraph 2.1.

43.) In addendum #1 that the light fixture schedule, per drawing E6.1 note #1, regarding "pre-approval for substitutions" has been eliminated. The note now reads that any of (5) lighting reps can submit for approval after contract award (see attached). This RFI requests that any proposed substitute light fixtures be submitted for approval in advance of the bid or the consultant identify specific manufacturers that will be considered equal and pre-approved. Please consider the following.

- a.) Spec section 16200 regarding material substitutions, does not permit alternate substitutions after contract award.
- b.) No two LED fixtures are "identical" among various manufacturers. There will always be minor inconsistencies regarding output, distribution, wattage, amperage etc
- c.) The lighting reps will quote their products without regard to being exact equals and will not guarantee approval.
- d.) The ultimate review and approval of light fixtures will become subjective and open for numerous submissions, re-submissions and discussion.
- e.) There will be uncertainty among all electrical bidders as to what will be acceptable or approved by the consultants.
- f.) The intent of State of Del bid laws is to create a competitive bid environment by listing multiple manufacturers, where possible, for all products.

Answer:

Refer to Questions #42 response.

- 44.) Drawings S2.7 and S2.8 Section 4.1-9 shows a support detail for a movable partition. Drawing A3.1 shows movable partitions at the same locations on the first floor however the structural drawings have no reference to them. Please confirm if the detail shown on S4.1-9 is required at the movable partitions as shown on A3.1.

Answer:

Detail 9/S4.1 shall apply to all first floor operable partition supports hanging from the floor framing.

- 45.) Please advise what is required for Lintels above the 20'-0" Opening for Windows W5 in Wall Type B63 on A3.1.Mas. Veneer/Stud Lintel schedule 14/S6.2 only addresses up to a 12'-0 opening.

Answer:

The brick veneer will be hung from the floor and roof beams. A typical detail will be issued for this support condition in the upcoming addendum #3, see Sk – S – 012.

- 46.) Which bid package is responsible for the supply of anchor bolts for top of wall wood plates, such as those in Roof Detail 2/A4.3?

Answer:

All anchor bolts at the top of the wall are to be supplied by the Steel contractor and installed by either the Masonry Contractor (Where installed in Masonry, as in the left side of 2/A4.3) or the Carpentry & General Works Contractor if it is installed in any other material such as Metal stud, Wood blocking or other materials other than Masonry. (For instance, in to wood blocking at the right side of 2/A4.3). The scope should be clear, as a similar detail occurs at 8/S4.3 (Steel supplies anchor bolts to Masonry Contractor to install) & 1/A4.4 (Steel supplies anchor bolts to Carpentry Contractor to install). Space anchor bolts at 18" O.C. staggered.

- 47.) Please review the substitution request for Specification Section 260731 Wireless Clock System - Sapling Wifi Clock System.

Answer:

Primex System District Standard. No substitutions shall be accepted.

- 48.) 1.) 5/S6.2 - Non-Load Bearing CMU Wall Bracing Details indicates bracing requirements at a variety of conditions with clips typically at 4'-0 on center, or at structural steel member spacing. This seems to imply that wall bracing would not be needed at load

bearing masonry walls. Confirm the steel contractor should include F & I of steel bracing of Non-Load Bearing CMU Walls only per this set of details.

2.) 1/A6.0, 2/A6.0 & 8/A6.0 indicate continuous angles fastened 12" on center on both sides of fire-rated and non-rated Interior CMU walls with G.W.B. spacers added at the rated walls. Where in the building are these details to be followed in place of details from 5/S6.2? Advise which prime contractor should include F & I of the continuous angles for bracing interior fire-rated masonry walls. Advise which prime contractor should include F & I of the G.W.B. spacers at bracing for interior fire-rated masonry walls. Advise which prime contractor should include F & I of the continuous angles for bracing interior non-rated masonry walls.

3.) 3/A6.0, 4/A6.0, 5/A6.0 & 6/A6.0 indicate continuous angles fastened 12" on center on both sides of fire-rated interior stud partition with G.W.B. spacers added between angles and wall. Advise which prime contractor should include F & I of the continuous angles for bracing interior fire-rated stud partition walls. Advise which prime contractor should include F & I of the G.W.B. spacers at bracing for interior fire-rated stud partition walls.

Answer:

No response as of 12/4/17, it is expected in a future addendum.

- 49.)
- 1.) Head Detail 10/A8.4 shows threaded rod hangers for Fire Door B128A.No supplemental steel framing is indicated on the structural drawings to receive these hanger rods. Please confirm no steel header is needed for the Won-Door Firerguard.
 - 2.) There are Coiling Door tracks and guides in Details 2, 5, 6 & 9/A8.4.Please confirm the door manufacturer / installer provides the angle fastening the tracks and guides to the walls.
 - 3.) The Finish Schedule on A3.7 indicates the use of Rubber Treads at Stairs C-S1, A-S1, A-S2 & B-S1.Confirm these Rubber Treads include a non-slip nosing and that Contract No. A-04 does not supply nosings at these stairs.
 - 4.) Please advise any locations where Contract No. A-04 does supply abrasive stair nosings. Please provide a specified manufacturer and product type for any abrasive stair nosings.

Answer:

1. Per Won-Door manufacturer: adequate structural support is required by others (door weight = 5.5 lbs/sq.ft. x width x height).
2. Door manufacturer provides angle, track and guides.
3. Provide Stair Treads as specified in section 096513, item 2.2.C.
4. There are no abrasive stair nosings on this project.

- 50.)
- 1.) Detail 1 & 8 on A4.3 shows the Efis moulding caulked to the metal roof edge. Which contract owns this caulking?
 - 2.) Detail 1 & 2 on A4.3 does not show caulking from the Efis moulding to the brick. Please confirm no caulking is required at this location. If caulking is required which contract will own it?
 - 3.) Detail 14 on A6.0 shows a 2" expansion joint material on the exterior and a compressible filler and aluminum cover plate on the interior. Which contracts own the exterior and interior expansion joint products and installation?
 - 4.) Detail 3,4,6,7 & 9 on A8.3 does not show caulking between the precast and the dissimilar masonry. Please confirm there is no caulking required at this location.
 - 5.) Will the precast to precast head joints point with mortar or caulk?
 - 6.) Which contract owns the caulking at the interior perimeter of the windows?
 - 7.) Detail 3 & 6 on A8.3 does not show caulking between the interior solid sill and the masonry and or drywall. Please confirm no caulk is required in these locations. If caulk is required which contract will own it?
 - 8.) Will contract A-01 Sitework be responsible for all caulking at the exterior concrete as shown on the drawings?

Answer:

- 1.) Reference Section 011100 Summary of Work, Contract A-07 Metal Studs & Drywall, Note 33.
 - 2.) Refer to spec section 062013, Subparagraph 2.3A, 2.3D, 3.3A, and 3.3D. See Question #1, refer to spec section 011100 Summary of Work, Contract A-07 Metal Studs & Drywall, Note 33
 - 3.) Reference section 011100 Summary of Work, Contract A-03 Masonry, note 3. Masonry is responsible for all expansion joints to be installed in exterior masonry walls. Interior expansion joints will be provided by the Carpentry & General Works contractor, except where Ceramic Tile may have them.
 - 4.) No caulking required. Will be pointed with mortar.
 - 5.) Head joints will be pointed with mortar.
 - 6.) Reference section 011100 Summary of Work, Contract A-08 Glass and Glazing, note 9. The glass & glazing contractor is responsible for all caulking associated with materials supplied by this contractor to adjacent surfaces.
 - 7.) Refer to spec section 123661.16 sub paragraph 2.3A and 2.3B.
 - 8.) Contract A-01 Sitework shall be responsible for all exterior concrete caulking. To be clear, all concrete, asphalt or paving joint sealants & caulking shall be provided by contract A-01 Sitework.
- 51.)
- 1.) Who is responsible to pour all exterior pads (per detail 7/S3.1) within the sidewalk boundary? Are these pads considered within the building footprint?
 - 2.) Are the footings and walls shown on sheet S2.2 details 1/S3.2 & 2/S3.2 considered landscape walls and part of the A-01 Sitework Contract?

3.) What R-value should be used for all below slab on grade exterior perimeter walls?

Answer:

- 1.) The Sitework Contractor shall provide all excavation and materials needed for concrete installations from the edge of the building footprint and outward. The Concrete Contractor will provide all excavation and materials within the footprint of the building. The Concrete Contractor must prepare a clean, square finish for Sitework Contractor to place its concrete up to. Any rebar or cold joint preparations are to be coordinated and installed by the Concrete Contractor.
- 2.) All exterior landscaping walls and their associated foundations are to be completed by the Sitework Contractor. Any rebar or cold joint preparations are to be coordinated and installed by the Concrete Contractor.
- 3.) R - value of 10 ci for exterior perimeter walls below grade should be used. Refer to Spec section 072100 subparagraph 2.1.B.3.

52.) Please confirm that area "C" will also be left -.67 from FF (-4'-8").

Answer:

Subgrade for each area will be 8" below the finished floor elevation of that area.

Areas A and B Elevations: Finished Floor = 65.67', Subgrade = 65.00'

Area C Elevations: Finished Floor = 61.00', Subgrade = 60.33'

Note that the architectural plans show the Cooling Tower Enclosure as part of Area C. There is no concrete finished floor in the Enclosure.

53.) The details for the 12/2 pitch shingle roof and any other areas, show 1 layer of plywood attached to metal decking. Nailing Shingles (1 ½" Nails) over this will not work, the nails will not go through the metal decking and shingles and will not be attached per manufacturer guidelines. Please advise.

Answer: Will be addressed in Addendum #3. See Sk – A – 024, 025, & 026.

- 54.)
- 1.) There is a 3" incoming water service detail shown on P5.1 and has a meter and backflow preventer labeled F-29 & F-30; however, the schedule shows these items as floor drains. Please revise and clarify.
 - 2.) Is a domestic water meter needed inside if there is a meter pit outside?
 - 3.) I don't see plumbing fixtures F-6 or F-10 on the drawings. Are these needed? If so, please clarify where they are or might be?
 - 4.) I assume the mop sink in the Janitor's closet (C128) is plumbing fixture F-41? Please clarify.

5.) Drawing M3.1, classrooms A101, A102, and A106 show a FCU with no tag. Please label and identify these units.

Answer:

- 1.) Change label for backflow preventer to F-18. Delete meter from detail.
 - 2.) No. Delete interior meter.
 - 3.) Addressed in Addendum #2, Sk – P - 002.
 - 4.) Item #51 by Kitchen Equipment - Refer to Kitchen Drawings.
 - 5.) Addressed in Addendum #1, See Modifications to Drawings – Item # 25.
- 55.)
- 1.) Room A105 shows a Telecom outlet with no letter designation; please clarify.
 - 2.) Room A106 shows a Telecom outlet with no letter designation; please clarify.
 - 3.) Room A114 shows a Telecom outlet with no letter designation; please clarify.
 - 4.) Room A116 shows a Telecom outlet with no letter designation; please clarify.
 - 5.) Room A130 shows a Telecom outlet with no letter designation; please clarify.
 - 6.) Room B112 shows an "E" outlet and a "D" outlet; is there to be a corresponding "A" outlet somewhere in the room for the "D" outlet that is shown?
 - 7.) Room B126 shows a Telecom outlet with no letter designation; please clarify.
 - 8.) Room B127 shows two Telecom outlets with no letter designation; please clarify.
 - 9.) Room C116 shows two Telecom outlets both in the area of the Menu Boards that have no letter designation; please clarify.
 - 10.) Room A222 shows a Telecom outlet with no letter designation; please clarify.
 - 11.) Room B212 shows a Telecom outlet with no letter designation; please clarify.
 - 12.) Drawing E9.1 for the Kitchen Room C123: is there to be any data cabling at any of the cash registers as none is shown?
 - 13.) In Section 260740 it speaks to 12 strand 50 micron fiber optic cable. What grade 50 micron cable is this to be OM2, OM3, or OM4? Is this cable to be placed between the MDF and each IDF? Is the fiber cable the only tie cable to be installed between the MDF and each IDF or are there other cables to be installed? If yes please specify.
 - 14.) Section 260740, 2.1, A: Can flush jacks be used?

Answer:

1. Delete the data symbol indicated with no letter at that location. It is not required.
2. Delete the data symbol indicated with no letter at that location. It is not required.
3. Delete the data symbol indicated with no letter at that location. It is not required.
4. See Addendum #1, Sk – E – 002.
5. See Addendum #1, Sk – E – 001.
6. Change "E" to "A"
7. See Addendum #1, See Sk – E – 015.
8. See Addendum #1, See Sk – E – 015.
9. Type "E"

- 10. Type "E"
- 11. Type "E"
- 12. CAT 6 to IDF
- 13. a. OM3
b. Yes
c. Yes
- 14. Yes

56.) Details F, P, S, V, CC, DD, etc. on A11.0 show ¼" caulk and backer rod at the metal casing bead. Which contract will own this caulking?

Answer:

Contract A-07 Metal Stud & Drywall shall provide backer rod & caulk at all locations indicated.

57.) We understand the type A & AE light fixture by Liteline is a school district standard. As you clarify substitutions and equal manufactures, please confirm if alternate manufacturers will be accepted for type A & AE light fixtures.

Answer:

Substitutions will not be reviewed during bidding, however substitutions will be reviewed during the submittal process.

58.) Per the fence detail on CG507:

a. All manufactured listed do not manufacture a 5/8" solid picket they use tubular. Will other sizes be acceptable or are we limited based on 5/8" dimension? Please confirm.

b. In regards to pickets having finial tops that can be removed and pose a safety hazard. Would owner consider a flat rail top across pickets?

c. Also on the sitework bid form Alternate No. 2 and 3 are the same. I believe Alt. No 3 should be Playground Equipment (3A, 3B, 3C)

Answer:

No response as of 12/4/17, it is expected in a future addendum.

59.) 1. Sheet A10.3 shows PT-3 in bathrooms C105 and C106 as a floor finish. However, the finish schedule states PT-1 is the floor finish. The only Porcelain floor tile finish that could be found in the color schedule/finish schedule was PT-1. Please clarify what PT-3

is and whether or not it is to be installed in bathrooms C105 and C106 or if this is just an error on the drawings.

2. Wall elevations show bullnose capping the tile wainscot. Sheet A9.11 states that Anodized Aluminum Corner trims are to be provided at all outside corners in the bathrooms. Are they corner guards installed by others or are they Schluter trim pieces? I do not recommend mixing bullnose and Schluter trim it usually gives an unsightly finish where the two materials meet.

3. 6x6 Quarry tile base is listed in the color schedule but is nowhere to be found. Could you please clarify whether or not we are required to provide any quarry tile base in areas C131 and C132 where quarry tile can be found? We DO NOT recommend installing quarry base at the walk in boxes do to issues bonding quarry to the metal walk in box.

4. Ceramic Tile Scope of Work item #9 asks for vapor retarding sealer. Is this part of the installation or necessary? Please clarify.

5. Ceramic Tile Scope of Work item #12 asks us to provide patching and leveling. At the bidding stage of this project it is not possible to determine the extent of how much leveling/patching is needed. We are aware that this is new concrete and is expected to be flat/level. However, there is a gap in the concrete spec requirements for acceptable work and what is an acceptable substrate for ceramic tile. Substrates for ceramic tile must be flat and level to within a 1/4" in 10'. The concrete spec is not as strict. It is the position of the NTCA and TCNA that bidding of patching and leveling of substrates to receive ceramic be done using an allowance. Is the allowance at SOW #22 to be used for this or will there be a separate allowance for ceramic tile substrate repair?

6. It is a little unclear what walls get ceramic tile in the Corridors, Stairs and other areas for Alternate 10. Can the architect please provide a wall finish plan or highlight exactly which walls get tiled?

7. This has been addressed by several others but specs for ceramic tile install methods are not clear. Please specify: 1. TCNA install method, 2. where waterproofing/crack isolation membrane is to go and if it is full or partial coverage, 3. what type of mortars and grouts (epoxy or cement) are to be used and for what tiles.

Answer:

No response as of 12/4/17, it is expected in a future addendum.

- 60.) 1.) Spec Section 042000 only list 2 manufactures for the DCMU. Will other manufactures be acceptable for the project? For example: York Building Products, Trenwyth Industries, or E.P. Henry.
- 2.) Spec Section 034500 "Precast Architectural Concrete" is a "Wet Cast" method of production. The 3 manufactures listed in spec section 034500 – 2.1-A-1-3 do not provide this method of production. Can we utilize others or a different method? Are these units intended to be Cast Stone Units under Spec Section 047200?

- 3.) Detail 3/A6.3 calls out the cast stone profile "D" to be 7 5/8" high. However sheet A8.1 calls for profile "D" to be 11 5/8" high. Please Clarify.
- 4.) Contract A-03 Masonry's summary of work item# 22 says to provide stucco. Please identify its location
- 5.) Contract A-04 Structural Steels summary of work item# 9 says to provide all masonry anchors. Is this furnish and install
- 6.) Section 079100 1.2-A-1 calls for all of the exterior concrete masonry, precast sills, lintels, wall caps or water tables to receive water repellent. Does the face brick require water repellent also?
- 7.) Are the architectural preformed joint seals on the exterior of the building under contract# A-03-Masonry?
- 8.) Should all of the vertical and horizontal joints of the cast stone units (cast stone to cast stone or cast stone to dissimilar) be raked and caulked or just pointed with mortar?
- 9.) Should the vertical joint of all of the interior column wraps (example: detail 4 & 5/A3.10) where they meet another wall be raked & caulked or just pointed with mortar.
- 10.) Detail 5/A4.4 shows a caulk joint at the metal roof edge cap. Please clarify that this is under contract A-06.

Answer:

- 1.) Did not receive any acceptable/equal manufacturer requests. No product data was provided for any substitutions.
 - 2.) Wet cast or dry method is acceptable.
 - 3.) Revise precast concrete profile type "D" on sheet A8.1 to be 7 5/8".
 - 4.) Eliminate Item #22 in spec section 011100 Summary of Work, Contract A-03 Masonry.
 - 5.) See modified Summary of Work for Contract A-04 Structural Steel & Misc. Metals. Note # 9 has been struck. All masonry anchors are to be provided by Contract A-03 Masonry.
 - 6.) Face of brick does not require water repellent.
 - 7.) Contract A-03 Masonry shall provide section 079100 Preformed Joint Seals. See detail 8 on drawing 3.9 and detail 5 on A5.5.
 - 8.) Raked and caulked.
 - 9.) Raked and caulked.
 - 10.) The caulk joint at the metal roof edge cap in this detail is to be provided by Contract A-06 Roofing.
- 61.)
1. There is no layout or design shown for the irrigation systems on the landscape plans. There also are no specifications for the type of equipment, number of zones, sprinkler heads, etc. How are we to price this item?
 2. What type of material is the roof drain piping, HDPE, SCH40 PVC, or SDR35?
 3. Can removable bollard model # Model R-8464-RA by Reliance Foundry be approved for use? A cut sheet is attached.

4. The Addendum 1 bid form does not contain any alternates for the playground equipment that is called out on the landscape plans. Should we not price the playground equipment?
5. The addendum 1 bid form has the same descriptions for alternates 2 and 3. Should we enter a number for both alternates?
6. Who is responsible for completing the sidewalk along Mapleton Av. and Raleigh Street that is shown outside of the LOD?
7. Addendum 1 scope of work for contract A-01 – Sitework, Item 1 lists the sitework contractor as providing electric, telephone, data & fiber lines and gas utilities. Aren't these utilities installed by the respective utility company approved contractors?
8. Addendum 1 scope of work for contract A-01 – Sitework, Item 4 is blank. Is something missing from the scope of work?
9. Addendum 1 scope of work for contract A-01 – Sitework, Item 12. Where are the planter walls located? I see retaining walls in the plaza area, but they appear to be integral to the structural concrete contractors' work.
10. Addendum 1 scope of work for contract A-01 – Sitework, Item 19. What size gates are required for the temporary fencing?
11. Addendum 1 scope of work for contract A-01 – Sitework, Item 27. Is it the intent that the Sitework contractor provide daily street cleaning even when they are not onsite?
12. Addendum 1 scope of work for contract A-01 – Sitework, Item 31. The cooling tower slab and foundations appear to be integral to the structural concrete contractors' work since the footings are continuous with the building footings and the slab with pedestal is contained within. This is not what is typically site concrete work. Should they be in the Sitework of the Concrete contractors' scope of work?
13. Addendum 1 scope of work for contract A-01 – Sitework, Item 34. Where will we be allowed to access a waterline to provide temporary water service? There does not appear to be a waterline on Raleigh Street currently.
14. Addendum 1 scope of work for contract A-01 – Sitework, Item 63. Where will we be allowed to access a waterline to provide temporary water service for the tire wash station?
15. Addendum 1 scope of work for contract A-01 – Sitework, Item 66. Where are landscape walls located on this project?

Answer:

No response as of 12/4/17, it is expected in a future addendum.

- 62.) 1.) Item #1 indicates the Sitework scope includes "electric, telephone, data & fiber, gas". However the electric scope Items #6 and 7 indicate that the electric & communications to existing are in that scope. The gas service is not shown on the site drawing and the plumbing drawing P2.3 indicates it will be provided by the gas company. Without the gas routing would it be appropriate to have the site contractors or plumbing contractors carry an allowance for the gas company? Please clarify the extent of work that will be

provided by utility companies for all electric, telephone, data, communications and gas and where the separation occurs. I would suggest 5'-0" outside the building for the MEP trades to take over and the site contractor do all the utilities work. Please confirm extent and your opinion on the 5'-0" separation.

2.) Item #31 indicates the cooling tower foundation should be considered exterior and is included in the Sitework scope. However structural drawing S2.3 indicates the foundation is interior & integral with the building foundation. It seems more appropriate to be part of the concrete package. If not, please clarify coordination with concrete scope. This is the issue with the separation of slab from the edge of the building footprint. Please confirm this is acceptable.

Answer:

No response as of 12/4/17, it is expected in a future addendum.

- 63.)
- 1.) The Sitework package is responsible for Sections 323113 – Tubular Barrier Gate and 323119 – Decorative Fencing and Gates as outlined in their Technical Specifications Sections outline and described in items 35 and 44 of their specific scope outline. Can specific scope item 44 on page 011100-27 of the A-04: Structural Steel & Misc. Metals scope be removed from our bid package as it seems to be a duplication of material in the A-01: Sitework package?
 - 2.) Can it be confirmed that specific scope item 31 on page 011100-26 of the A-04: Structural Steel & Misc. Metals scope belongs in our bid package?
 - 3.) We find no specifications for the Wrapping of Stainless Steel Opening at Elevator Doors in our Technical Specifications Sections outline. Can you direct us to the correct specification section for the materials and finishes for Wrapping of Stainless Steel Opening at Elevator Doors?
 - 4.) Please confirm that we are not responsible for testing costs, except for our cooperation with testing agencies including Product Test Reports for Pipe and Tube Railings.

Answer:

- 1.) Yes. These fencing systems were originally different fencing systems. Now that Vandemark & Lynch has confirmed the screen walls and the playground fencing are the same materials, the Sitework Contractor will provide both the Tubular Barrier Gate system and the Decorative Fencing and Gates at the Screen Walls and the Gymnasium. The Structural Steel & Miscellaneous Metals Contractor will no longer provide any fencing associated with the screen walls. See modified Scopes of Work For Contracts A-01 – Sitework & A-04 – Structural Steel & Miscellaneous Metals Contractors
- 2.) Eliminate Note # 31 from Contract A-04 Structural Steel & Misc. Metals section 011100 Summary of Work. See spec section 142123.16 paragraph 2.1.B.1, this is to be provided by the Elevator Contractor.

3.) The wrapping of the stainless steel opening at the elevator doors will be provided by the elevator contractor. Per

4.) Testing and associated costs will be provided by others.

- 64.)
- 1.) Please provide a location for Transformer "T-2" and Distribution Panel "CDP".
 - 2.) Please provide a spec. for Electrical Manholes shown on Drawing E4.2.
 - 3.) Please show the location of the Power Company primary switch on Drawing E4.2.
 - 4.) Please show final termination points for communication ductbank.
 - 5.) Why on the revised bid form from Addendum #1 does Contract A-20 need to name a "Data Installer"? On the revised scope of work for Contract A-20, Item #17 states that telecommunications is by Special Systems Contract A-21.

Answer:

- 1.) Refer to Addendum #3. See Sk – E – 044.
 - 2.) Refer to Addendum #3, See spec section 260130 Manholes.
 - 3.) Refer to Addendum #3. See revised drawing E4.2
 - 4.) Along East Wall.
 - 5.) Data/VoIP wiring by data contractor under Electrical Contractor. Telephone System by Special Systems Contract.
- 65.)
- 1.) In Spec. Section 011100 – Summary of Work – Contract NO. A-06 – Roofing, Item number 1 states PVC Materials, please clarify where this material is required and if so will a specification be issued for the material?
 - 2.) In Spec. Section 011100 – Summary of Work – Contract NO. A-06 – Roofing, Item number 1 states Roof Overflow Drains, typically the Plumbing contractor owns providing and installing the Overflow Drains, and the Roofing Contractor would own cutting the roof membrane and flashing of the drains, please advise who owns providing and installing the Overflow drains?
 - 3.) In Spec. Section 011100 – Summary of Work – Contract NO. A-06 – Roofing, Item number 1 states Lamb Tongue, should these be provided and installed by the Plumbing Contractor since they are connecting to their piping for the Overflow Drains, please advise who owns providing and installing the Lamb Tongues at the overflow drain piping?
 - 4.) In Spec. Section 011100 – Summary of Work – Contract NO. A-06 – Roofing, Item number 7 states “flashing and installation of the roof drains shall be by the Roofing Contractor”, typically the Plumbing contractor owns providing and installing the Roof Drains, and the Roofing Contractor would own cutting the roof membrane and flashing of the drains, please advise who owns providing and installing the Roof drains?
 - 5.) Specification Section 074113.13 – Formed Metal Roof Panels – is the material specified in this section to be used at the metal wall panels shown on Details 3 and 7 on Drawing

A4.2, please advise? If not where is this material to be used and will a specification for the Wall Panels at the backside of the Mansard be issued?

6.) In Specification Section 073113 – Asphalt Shingles – Paragraph 2.4 Ridge Vents A. States using “polypropylene or other UV-stabilized plastic ridge vent...” but the Basis of Design is a Metal Era product and Details 9 and 10 on Drawing A4.0 show a Metal Ridge Vent, please clarify which type of ridge vent is to be used, and if it is to be metal will a revised specification be issued?

7.) On Drawing A4.2 Detail 3 shows a 2” wide continuous air vent with galvanized metal bug screen, will a specification be issued for this material, please advise?

Answer:

- 1.) PVC as required for closing in piping, etc.
 - 2.) Per Section 011100 Summary of Work, Contract A-06 Roofing note #1. This contract shall provide (furnish and install) roof overflow drains.
 - 3.) Per Section 011100 Summary of Work, Contract A-06 Roofing note #1. This contract shall provide (furnish and install) lamb tongue.
 - 4.) Contract A-18 HVAC and Plumbing shall provide (furnish and install) roof drains. Contract A-06 Roofing shall cut the roofing membrane and provide flashings for the drains.
 - 5.) Correct.
 - 6.) Basis of design to be used.
 - 7.) See item #12 in Modifications to Specifications.
- 66.) On the electrical power plan E3.8, room C107 there is a note next to the circuit RP-4-3 referencing an occupancy sensor/power pack. What sensor/power pack is being referenced?

Answer:

Occupancy sensors are low-voltage and need relay power packs to control circuits.

- 67.) Is the pattern going to be revised to take the tile size difference into consideration, or will it remain as is. If it remains as is, the waste factor will go up significantly. Please advise.

Answer:

Upon acceptance of the alternate bid for LVT, the floor pattern plans will be revised.

- 68.) Here’s another submittal from Diversified with a different type ‘C’, see below & attached.

Answer:

Substitutions will not be reviewed during bidding. Refer to drawing E6.1 Light Fixture Schedule, Note 1 and Specifications 260510, Paragraph 2.1.

- 69.)
- 1.) Spec Section 323258 – 2.5-B-1-a, list the utility brick manufacture as Belden Tri-State Building Materials – “ Frisco Blend” as the brick to be used for the street screen piers and walls which is different from the brick listed in spec section 042000 – 2.5 – B – 1 – a&b. Is the size and manufacture correct as it does not match the brick on the building?
 - 2.) Details 1, 2, 3, 4, & 7 on sheet A2.2 show the 3 ½” spray foam insulation continuing up and over the metal decking. Does this stop a certain distance back from the vertical insulation, or does it continue back and cover the decking under the roof trusses?
 - 3.) Does this insulation fall under contract # A-03 scope of work?

Answer:

- 1.) Spec section 042000 is the correct brick.
 - 2.) Sprayed insulation to continue to back of Mansard Roof. Refer to detail 3/A4.2.
 - 3.) Yes, Contract A-03 Masonry shall provide all sprayed insulation, including the overlapping identified above. See section 011100 Summary of Work for Contract A-03 Masonry, note #27.
- 70.)
- 1.) Contract NO A-05 calls to Furnish & Install Vision Panels. Please clarify that this contract is only responsible for the non-aluminum vision panel frames, and that Contract A-08 will supply all glass.
 - 2.) Contract NO A-05 calls to Furnish & Install Vision Panels. Please clarify that this contract is only responsible for the non-aluminum vision panel frames, and that Contract A-08 will supply all glass.
 - 3.) Recommendation to move providing interior expansion joints from Contract No A-05 to Contract No A-07 & No A-12 since these will need to be installed into their wall and ceiling systems.
 - 4.) Item #52 of Contract A-05 is listed in several different scopes of work, and is also covered by the Sitework Contract No A-01. Will the sitework contractor be responsible for this item?
 - 5.) Contract NO A-05 calls to provide the low voltage wiring within the doors and for automatic door openers. However, the Electrical and Special Systems Contracts call for all wiring to the door hardware locks and door contacts for a complete Card Access System. Please verify Contract NO A-05 is only responsible to provide the hardware, and provide any necessary raceways through doors and or frames. All wiring to be completed by others.
 - 6.) Who will own any fire treated plywood required in Electrical/Tel/Data rooms for new panels? If under Contract NO A-05, could you provide scope and/or locations?

Answer:

- 1.) Eliminate the work "Vision Panels" from Carpentry & General Work Scope #5. These will be provided by Glass & Glazing Contractor.
 - 2.) See Door B128A and technical section 083513.23.
 - 3.) We will keep this item as initially issued. The Carpentry & General Works Contractor will need to coordinate with the other trades to install all interior expansion joints.
 - 4.) The site contractor is responsible for their vehicle traffic only. All contractor scopes of work have the same referenced note. The intent of the note was that the flaggers will be needed for their individual work(the prime or their subcontractor deliveries) that they are responsible for. That said, if multiple trucks or deliveries occur, they must be coordinated with all trades as well as the Construction Manager and may require multiple flaggers.
 - 5.) By Electrical Contractor, See Note 5 on Drawings E6.1.
 - 6.) Contract A-05 Carpentry & General Works shall provide fire treated plywood where indicated for electrical and data panel installations.
- 71.)
- 1.) Per Fence Detail on CG507, In regards to pickets having finial tops that can be removed and pose a safety hazard, would the owner consider a flat rail top across pickets?
 - 2.) May tubular pickets be used in place of solid pickets? It's my understanding the manufactures listed do not manufacture a solid picket. Please Advise.

Answer:

No response as of 12/4/17, it is expected in a future addendum.

- 72.)
- 1.) Please review the attached HVAC Substitutions.
 - a. Lennox RTU
 - b. Quantech Chiller
 - c. Heatcraft Fluid Coil Specifications
 - d. LG
 - e. Sigma Unit Heaters

Answer:

- 1.)
 - a. Not Approved.
 - b. Not Approved.
 - c. Not Approved.
 - d. LG is already an approved Manufacturer.

e. Sigma Unit Heaters will be added to the list of acceptable manufacturers in Addendum #3. See modifications to specifications Item #18

- 73.) Ref. specification 093013, Tile , page 7, paragraph 2.8B, Metal Edge Strips. We note the specification indicate that the outside corners are to receive a Schluter QUADEC edge strip however the elevation details on drawing A9.9 indicate a bullnose trim at the vertical and horizontal edges. Is all the tile wainscot to be priced with bullnose trim or a Schluter QUADEC trim at all edges.

Answer:

See modifications to specifications Item #14.

- 74.)
- 1.) Line 1 in site scope lists electric, telephone, data and fiber lines, Electrical scope line 3 has the excavation and back fill in that scope for all underground. Please provide clarification that all electric, telephone, data and fiber lines excavation / back fill is in scope A-20 Electrical?
 - 2.) Item 14 requires select under SOG? Is this required if onsite material meet DELDOT spec for structural fill?
 - 3.) Item 68 states we are to grade building to elevation 100.0 minus 8". Addendum #1 states elevation 100.0 = 65.67. There are two F.Fl. elevations, are we to grade entire building to elevation to elevation 65.0 or 8" below the finish floor?
 - 4.) Note on drawing and now in specs 320523 says concrete mix for external improvements to be Whitehall Mix by Bear Concrete, is this a proprietary mix?
 - 5.) Item 31 states the cooling tower is outside the building therefore part of the site scope, it appears the foundation is attached to and part of the building footing, please confirm this is not in the building concrete scope.
 - 6.) If footing is in site scope please provide detail for interface of footing for cooling tower to building footing since they appear as one on S-2.3?
 - 7.) Please provide detail for interface of retaining wall & planter wall footing to building footing.
 - 8.) Masonry planter wall is part of scope A-03?
 - 9.) Item 24 states we are to use onsite material and import as required. We can only cover deficient amount of material in bid. If material is unsuitable will this be covered under unit price #6?
 - 10.) Please provide detail and type of downspout boot required. Specifications provide manufacturer but insufficient information to price exact type.
 - 11.) Item 27 Cleaning of the street is only if we have tracked mud while performing our work only with the exception of the 30 required visits? Other contractors responsible for their cleanup of mud tracked offsite?
 - 12.) What line striping is required for fields and what drawing is it shown on?
 - 13.) Please provide specification for planter waterproofing referred to in Item 65.

14.) On Drawing CG111 (see attachment) where the proposed 8" fire line and 6" domestic water line connect to the 8" water main in Raleigh Street there is a note that reads 'Connect to 8" x 8" tee and 8" x 6" tee'. Will the (2) tees be installed by "others" when the 8" water main is run along the south shoulder of Raleigh Street or will the site work contractor on the Whitehall School project be expected to wet tap the 8" main at the two locations indicated?

Answer:

No response as of 12/4/17, it is expected in a future addendum.

- 75.)
- 1.) Will there be 110V AC power provided for the intrusion system control panel in the MDF closet?
 - 2.) Will there be 120V AC power provided for the main panel for the area of rescue system in the main entrance area next to the fire alarm annunciator. Please provide a sketch detailing location.
 - 3.) Please confirm that the POE switches for the wireless clocks are to be provided by ASD to power the E – Bridge (3 total).
 - 4.) Please confirm that the door provider will make final connections for all field door access control devices through their door frame and provide power and reader connection at a location above the door frame and label all wire appropriately.


Answer:




- 1.) Indicated on Drawing E3.7.
- 2.) Indicated on Drawing E3.7.
- 3.) Confirmed, Yes.
- 4.) Electrical Contractor to make all final connections.

- 76.) Please review the substitution request from Kurt Building Materials.
- a. TechWALL Pro
 - b. TechVENT
 - c. TechBASE

Answer:

We accept the Kurt Building Materials for TechVENT only as an equal manufacturer for spec section 061600 sub paragraph 2.6.A.1.

- 77.)
1. Electrical Legend on Drawing E6.1 references a symbol as a Dimming Scene Controller (DSC) by Encelium System Contractor which appears as
 However we are unable to find any other reference to Encelium anywhere. Please clarify the intent here.

2. Electrical Legend on Drawing E6.1 does not list the following symbols, but they show up on the electrical floor plan drawings. Please advise on the following symbols that do not appear on the legend:
 - a. 
 - b. 
3. Spec section 015200 states to refer to spec section 015113 for TEMPORARY ELECTRIC. Unable to locate spec section 015113. Please advise.
4. Can a typical lighting & receptacle control drawing be provided for the Classrooms and other areas of the building to clarify the intent? Is there dimming of these fixtures? For example, many of the light fixtures in classrooms appear to be 0-10-volt dimming capable, and show (3) rows of fixtures controlled by what appears to be (2) single pole switches (but according to the Electrical Legend are actually Encelium Dimming Scene Controllers by the Encelium Contractor) but then the typical light fixture detail on Drawing E5.1 only shows (3) #12 conductors going to the fixture, so how is it controlled and how does it dim? Also the electrical power drawings show receptacles in classrooms controlled by occupancy sensor/ power pack, which assumes this is all controlled by an occupancy sensor, but there is no occupancy sensor shown on the Electrical Legend.
5. The Electrical Summary of work 0111000 item #15 states the Electrical Contractor is to own the utility company related costs/ fees, and Addendum #1 stated to contact Dave Darrone at Delmarva Power in order to obtain values of those costs. After doing that, these costs are still unknown. Therefore in order to make this bidding practice fair, can these costs be included as a separate Allowance in the bid? If so, please clarify the amount of the Allowance.
6. The new bid form for Contract A-20 Electrical in Addendum #1 shows Data Installer listed under the subcontractor list. Please clarify if this is intended to be "Networked Cabling Systems" as detailed in spec section 260740?
7. Unable to locate any Outdoor Plant Cable in the documents as detailed in spec section 260740; 2.3A. Please clarify if all underground incoming services (Outdoor Plant Cable) for spec section 260740 are by that respective utility provider?
8. The Electrical Summary of work 0111000 item #6 states to provide pad mounted transformer, conduit, and wiring from existing primary switch for new incoming service. However, drawing E4.2 & E5.2 show the new transformer by the Local Power Company, and there is no spec section for a medium voltage transformer. Please clarify which is correct?
9. Drawing E4.2 shows what appear to be (2) new electric manholes appearing as symbol . However, there is no symbol on the legend for these, no spec section, nor are there any details for associated manhole sizes, racking, ladders, etc. Can this please be provided for clarity?
10. Drawing CG111 shows several electric vaults, transformer pads, and communication pedestals. However, these do not coordinate with the electrical drawing E4.2. Can a clear location for bidding purposes please be provided for the primary and communications ductbanks?

11. Please provide the following in reference to Drawing E5.2:
 - a. Circuit #1 breaker size in MDP feeding T-1? Also, please review the feeder size to the primary side of transformer T1 from this circuit.
 - b. Feeder #2 shows (4) primary cables to the primary side of the new pad mount medium voltage transformer, but shouldn't that actually be (3)?
12. Unable to locate if this building to be primary metered, or secondary metered by the Utility Company? Please clarify.

Answer:

- 1.) Remove and replace with single pole switch.
 - 2.) Occupancy Sensors ceiling/wall mounted.
 - 3.) To be issued with Addendum #3. See spec section 015113 Temporary Electric.
 - 4.) Refer to question #1.
 - 5.) See revised electrical drawings E4.2 Please note the General Notes item #4.
 - 6.) Correct
 - 7.) None required.
 - 8.) Transformer by Power Company. Pad, Conduit, and wiring by Electrical Contractor.
 - 9.) To be issued with Addendum #3. See Section 260130 Manholes.
 - 10.) For bidding purposes own the quantity and approximate locations on the drawings. Locations will need to be coordinated with the electrical provider.
 - 11.) Refer to Addendum #2. See Sk – E – 028.
 - 12.) Metered secondary meter to be located on side of transformer.
- 78.)
- 1) Please clarify who furnishes equipment (amplifier, tuner, projector etc), indicated on sketch SK-E-26. If supplied by contract A-20, is there a spec for reference? Will alternates be accepted?
 - 2) Please advise a list of State approved network cabling installers (per spec 260740). We are unable to find this information on the State of Del website.
 - 3) Per Add #1 spec section modification #24, 260930 revisions, advise if alternates will be accepted for the lighting fixtures which are specified as ETC & Colorado. Also, per item #2 in this section, the front of house spot lights are listed as qty of (3) ETC, although the drawings show 6 fixtures. Please clarify,
 - 4) Drawing E5.2 indicates the padmount transformer is supplied by the utility company; although, scope of work item #6, indicates the A-20 contractor provides the padmount transformer. If we are supplying the padmount transformer, we'll need a spec from the engineer, including the size. Please clarify.

Answer:

- 1.) Provided by Simplex.
 - 2.) Gilbert to respond in addendum to follow.
 - 3.) Yes, Quantity is to be six(6).
 - 4.) See revised note #6 in section 011100 Summary of Work, Contract A-20 Electrical.
- 79.)
- 1.) Item #22 in the scope of work for Contract # A-03 Masonry states to "Provide stucco" Don't see a reference or detail about stucco in the bidding documents. Can you provide a general location for this work and a detail that shows substrate and finish?
 - 2.) Alternate #4: Brick Veneer on Parking Lot Elevation. Is this alternate to include the Cooling tower Enclosure, the Courtyard Wall, the Courtyard Planter Wall, the stage loading dock and the exterior wall of C123 Kitchen and C130 Vestibule?

Answer:

No response as of 12/4/17, it is expected in a future addendum.

MODIFICATIONS TO SPECIFICATIONS:

- 1.) Section 000110 Table of Contents shall be deleted in its entirety, see updated section attached below.
- 2.) Section 001113 Advertisement for Bid shall be deleted in its entirety, see updated section attached below.
- 3.) Section 004100 Bid Form – Contract A-01 Sitework shall be deleted in its entirety, see updated section attached below.
- 4.) Section 011100 Summary of Work shall be deleted in its entirety, see updated section attached below.
- 5.) Specification Section 013700 – BIM Execution Plan. Replace in its entirety.
- 6.) Add specification section 015113 Temporary Electric.
- 7.) Add specification section 015123 Temporary Heating, Cooling, and Ventilating.
- 8.) Add specification section 017329 Cutting and Patching.
- 9.) SECTION 323158 – UNIT MASONRY FOR SCREEN WALL
Page 323158-5, Revise 2.5.B.1.a to read "**Bowerston Shale Co.; Frisco Blend, Meridian size.**"
- 10.)SECTION 042000 – UNIT MASONRY
Revise Subparagraph 2.4 CONCRETE MASONRY UNITS E.4.a to be **Westbrook Concrete Block, Co.; SF-349** in place of Westbrook Concrete Block, Co.; SF-349a.
- 11.)SECTION 061600 – SHEATHING
Add Subparagraph 2.6 COMPOSITE NAIL BASE INSULATED ROOF SHEATHING A.1 add subletter **f. Kurt Building Materials.**
- 12.) SECTION 0713113 – ASPHALT SHINGLES

Revise Subparagraph 2.4 RIDGE VENTS A. **Rigid Ridge Vent: Manufacturer's standard.**

13.)SECTION 074293 – METAL SOFFIT PANELS

Add Subparagraph 2.2 METAL SOFFIT PANEL e. **Accessory: Stockton Products, BUGSTOP Soffit Vent, or approved manufacturer.**

14.)SECTION 074293 – METAL SOFFIT PANELS

Add Subparagraph 2.2 METAL SOFFIT PANEL B.5 **BUGSTOP soffit vent, galvanized steel, .062 aluminum wire screen, ASTM A653 LFQ, C1063, B209, B69.**

15.)SECTION 087100 – DOOR HARDWARE

Add Delete section in its entirety and replace section attached below (per Addendum No. 3).

16.)SECTION 093013 – TILE

Add Subparagraph 2.5 SETTING MATERIALS: Re-add Subparagraph B. that was previously deleted in Addendum No. 2:

B. Modified Dry-Set Mortar (Thinset): ANSI A118.4

1. **Manufacturers:** Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

- a. Custom Building Products; ProLite.
- b. Laticrete International, Inc.; 254 Platinum Thinset.
- c. MAPEI Corporation; UltraFlex 3.
- d. Merkrete by Parex USA, Inc.;735 Premium Flex.

2. For wall applications, provide mortar that complies with requirements for nonsagging mortar in addition to the other requirements in ANSI A118.4.

Revise Subparagraph 2.8 MISCELLANEOUS MATERIALS B.: Replace, Metal Edge Strips with **Metal Edge Strips/Corner Trim.**

Add Subparagraph 2.8 MISCELLANEOUS MATERIALS B.: Add, **3. Accessories: Quadec Corner end caps at all open ends of Quadec strip.**

Revise Subparagraph 3.8 INTERIOR TILE INSTALLATION SCHEDULE, Replace subletter A. with the following:

A. Interior Floor Installations

1. **Porcelain Tile on Concrete Subfloor Installation: TCNA F113 with epoxy grout.**

- a. **Thinset Mortar: Modified Dry-Set Mortar.**
- b. **Grout: Water-Cleanable Epoxy Grout.**

2. **Porcelain Tile on Elevated Subfloor Installation: TCNA F122A with epoxy grout.**

- a. **Fluid-Applied Membrane.**
- b. **Thinset Mortar: Modified Dry-Set Mortar.**

- c. **Grout: Water-Cleanable Epoxy Grout.**
- 3. **Quarry Tile Installation: TCNA F131.**
 - a. **Thinset Mortar: Water-Cleanable, Tile-Setting Epoxy.**
 - b. **Grout: Water-Cleanable Epoxy Grout.**

17.)SECTION 142123.16 – MACHINE ROOM-LESS ELECTRIC TRACTION PASSENGER ELEVATORS

Revise Subparagraph 2.3 ELEVATORS B.4: Replace, Rated Load: 2500 lb. with **Rated Load: 4000lb.**

Revise Subparagraph 2.3 ELEVATORS B.9.a.: Replace, Inside Width: 6' 5 9/16" from side wall to side wall with **7' 5 9/16" from side wall to side wall.**

Revise Subparagraph 2.3 ELEVATORS B.9.b.: Replace, Inside Depth: 4' 3 9/16" from back wall to front wall with **5' 5 9/16" from back wall to front wall.**

Revise Subparagraph 2.3 ELEVATORS B.10.a.: Replace, Width: 42" with **Width: 48"**.

18.)SECTION 210171, FIRE PUMP – ELECTRIC

DELETE in its entirety and REPLACE with new attached Section.

19.)SECTION 230450, REFRIGERATION EQUIPMENT – HVAC:

DELETE in its entirety and REPLACE with new attached Section.

20.)SECTION 230725, TERMINAL HEATING UNITS

Page 230725-2, Paragraph 2.2.J: ADD Sigma as an approved manufacturer.

21.)SECTION 230760, AIR HANDLING EQUIPMENT

DELETE in its entirety and REPLACE with new attached Section.

22.)SECTION 230900: AUTOMATIC TEMPERATURE CONTROLS

a. Page 230900-3, Paragraph 2.1.A: DELETE in its entirety. The host computer and accessories shall be provided by the Owner. COORDINATE with article 2.9.A.

b. Page 230900-6, Paragraph 2.9:

- DELETE and REPLACE with the attached new Paragraph.

22.) SECTION260140, WIRING DEVICES

a. Page 260140-1, Paragraph 2.3.C: INSERT the following and renumber D through H:

"C. Controlled receptacles shall be similar to above except face of device indicated with permanent controlled receptacle markings. "

23.)SECTION 260130, MANHOLES

a. ADD new attached Section.

24.)SECTION 260731, WIRELESS CLOCK SYSTEM

a. Page 260731-2, Paragraph 1.5.A.3: REMOVE "[enabled with Power over

Ethernet (PoE) technology]”.

b. Page 260731-3, Paragraph 1.5.D.6: REMOVE “[ac power]”.

c. Page 260731-9, Paragraph 3.2.D:

- CHANGE Division to 26.

- INSERT the following:

“F. Provide and Install 12.5” in all rooms, except Cafeteria and Gymnasium.

G. Provide and Install 16” clocks with wire guards in Cafeteria and Gymnasium, 2 per side.”

25.)SECTION 260740, NETWORK CABLING SYSTEMS

a. Page 260740-2, Paragraph 1.3.A.5: REVISE to read:

“5. Optical Fiber Cables – OS2 Single Mode”

b. Page 260740-3, Paragraph 2.3.A.3: REVISE to read:

“3. Plenum, 12 stand, OS2 – Single mode.”

c. Page 260740-3, Paragraph 2.3.A: DELETE “Outdoor” in its entirety.

26.)SECTION 260771, INTERCOM/TELECOMMUNICATION AND CLOCK SYSTEM

a. Page 260771-1, Paragraph 1.1.A: ADD the following:

“Electrical Contractor shall provide device boxes, conduit stubs, and pull strings for all wall-mounted speakers.”

b. Page 260771, Paragraph 1.2.B.6: DELETE and renumber as necessary.

c. Page 260771-1, Paragraph 1.2.C: DELETE lines 2, 3, 4, and 5 and renumber as necessary.

d. Page 260771-11, Paragraph 2.3.A: DELETE “Telephone Type” and “Quantities” and REPLACE with the following:

“1. Simplex Grinnell to coordinate with district for which rooms are to be equipped with administrative and classroom handsets.”

e. Page 260771-12, Paragraph 2.4.C: REVISE to read:

“C. AM/FM Tuner: Simplex 5100-9177 AM/FM Digital Tuner with antenna mounted above ceiling at exterior wall.”

f. Page 260771-12, PERIPHERAL SYSTEM DEVICES

i. Paragraph B: DELETE in its entirety and renumber as necessary.

ii. Paragraph E.1: REMOVE “with shield”.

27.)SECTION 260772, CAFETORIUM SOUND REINFORCEMENT SYSTEM

a. Page 260772-4, Paragraph 4.1.F: REVISE to read as follows:

“F. The mixing console (sound board) shall be manufactured by Soundcraft model EFX12 and be provided with rack mounting kit in sound rack.”

b. Page 260772-6, Paragraph 4.6: DELETE in its entirety.

c. Page 260772-6, Paragraph 4.7.A: REVISE first line to read as follows:

“(2) ULXS124/85 Combo Wireless System with Rack Mount Receivers”

d. Page 260772-6, Paragraph 4.8: DELETE in its entirety.

e. Page 260772-7, Paragraph 4.9.A:

i. DELETE Floor Boxes.

ii. CHANGE quantity of racks to (1).

iii. ADD the following:

“(4) Single Gang Device Plates with (1) ¼” phone plug jack for foldback speakers.”

28.)SECTION 280724, AREA RESCUE SYSTEM

a. Page 260724-1, Paragraph 1.1: REPLACE with the following:

“1.1 GENERAL

A. The Electrical Contractor shall furnish and install all outlet boxes and conduit (with pull strings). Simplex Grinell shall furnish and install all wiring, telephones, annunciators and speakers as shown on the plans, and all other equipment necessary to provide a complete and operating Area of Rescue system. All equipment shall comply with ADA Code 4.3.11.4.

B. Equipment supplied by Simplex Grinell shall be considered as meeting these specifications and as the base bid.”

b. Page 260724-1, Paragraph 1.2: REPLACE with the following:

“1.2 ACCEPTABLE MANUFACTURERS

Simplex-Grinell

Rath System”

29.)SECTION 280727, INTEGRATED ACCESS CONTROL & SECURITY MANAGEMENT SYSTEM

a. DELETE in its entirety and REPLACE with new attached Section.

MODIFICATIONS TO DRAWINGS:

1.) DRAWING CG507 – DETAILS AND NOTES

a. Revise the Decorative Fence Detail to specify **“3/4” OR 1” SQ. PICKET”** and **“TUBULAR STEEL 3/4” OR 1” PICKETS”**.

2.) ALL ARCHITECTURAL DRAWINGS

a. Clarification All planter and courtyard walls indicated as split-face masonry veneer will be brick under alternate #4.

3.) Drawing A3.2 – PARTIAL FIRST FLOOR PLAN – AREA “B”

a. Revise FACULTY PLANNING B101 and ELEVATOR E-1. Refer to sketch SK-A-012.

4.) Drawing A3.5 – PARTIAL SECOND FLOOR PLAN – AREA “B”

a. Revise ASSISTANT PRINCIPAL B206 and ELEVATOR E-1. Refer to sketch SK-A-013.

5.) Drawing A3.7 – ROOM FINISH SCHEDULE

a. Add to the ROOM FINISH SCHEDULE NOTES, **“4. USE 2” X 6” BULLNOSE CERAMIC TILE TRIM AT THE TOP OF THE CERAMIC TILE WAINSCOT IN STAIR B-S1 ONLY. SEE INTERIOR ELEVATIONS ON A9.9 FOR LOCATIONS WITHIN STAIR B-S1.”**

b. Add to the COMMENTS column for B-S1 STAIR on the first and second floor **“NOTE 4”**.

6.) Drawing A3.8 – DOOR SCHEDULE

- a. Add Fire Rating **20 MIN.** to Doors A104, B110, B117B, B204, B206, B207 and B211.
- b. Replace Hardware Set 039 with Hardware Set **039.1** at Doors A104, B204, B207 and B211.
- c. Replace Hardware Set 025 with Hardware Set **026** at Doors B206.
- d. Replace Hardware Set 039 with Hardware Set **013** at Doors A109 and A110.
- e. Replace Door Type N with Door Type **N3** at Doors A104, B110, B204, B206, B207 and B211.

7.) Drawing A4'S – ROOF PLANS

- a. Replace note "PREFABRICATED E.I.F.S MOULDING" with "**PREMANUFACTURED EXTERIOR MOULDING**" at all locations.

8.) Drawing A4.0 – TYPICAL ROOF DETAILS

- a. Revise Roof Type "R04". Refer to sketch SK-A-024.

9.) Drawing A4.1 – OVERALL ROOF PLAN

- a. Revise Roof Drain note in ROOF LEGEND to read "**ROOF DRAIN WITH 48" x 48" TAPERED INSULATION SUMP (1/2" PER FOOT SLOPE, 3 1/2" AT DRAIN AND 4 1/2" AT HIGH POINT OF SUMP)**".

10.) Drawing A4.2-A4.4 – ROOF DETAILS

- a. Revise Roof Detail 1/A4.2. Refer to sketch SK-A-025. (Revise Roof Details 2/A4.2, 3/A4.2, 4/A4.2, 7/A4.2, 3/A4.3, 10/A4.3, 6/A4.4 and 7/A4.4 similarly.)

11.) Drawing A4.3 – ROOF DETAILS

- a. Revise Roof Detail 6/A4.3. Refer to sketch SK-A-022
- b. Revise Roof Detail 9/A4.3. Refer to sketch SK-A-023.

12.) Drawing A4.4 – ROOF DETAILS

- a. Revise Roof Detail 8/A4.4. Refer to sketch SK-A-026.
- b. Revise Roof Detail 9/A4.4. Refer to sketch SK-A-027.

13.) Drawing A5.1, A5.2, A5.3, A5.4, A5.5 – ELEVATION DRAWINGS

- a. Replace note "PREFABRICATED E.I.F.S MOULDING" with "**PREMANUFACTURED EXTERIOR MOULDING**" at all locations.

14.) Drawing A7.3 – ELEVATOR PLANS, SECTIONS AND DETAILS

- a. Revise Detail 1/A7.3 - ELEVATOR PIT PLAN. Refer to sketch SK-A-014.
- b. Revise Detail 2/A7.3 – ELEVATOR – FIRST FLOOR. Refer to sketch SK-A-015.
- c. Revise Detail 3/A7.3 – ELEVATOR – SECOND FLOOR. Refer to sketch SK-A-016.

15.) Drawing A7.0 – TYPICAL STAIR AND RAILING DETAILS

- a. Revise Detail 16/A7.0. Refer to sketch SK-A-011.

16.) Drawing A8.1 – DOOR AND FRAME TYPES AND WINDOW TYPES

- a. Revise PRECAST CONCRETE PROFILE TYPE "D" from height of 11 5/8" to height of 7 5/8".

17.) Drawing A9.9 – ENLARGED PLANS AND INTERIOR ELEVATIONS – CORRIDORS

AND LOBBIES

- a. Replace the note in Elevation 12/A9.9 "BULLNOSE EDGE, TYPICAL" with "BULLNOSE VERTICAL EDGE AT THIS LOCATION ONLY".
- 18.) Drawings A10.1 – A10.5 – FLOOR PATTERN PLANS
- a. Add to the General Notes – **2. REVISED FLOOR PATTERN PLANS WILL BE ISSUED UPON ACCEPTANCE OF THE ALTERNATE BID FOR LVT FLOORING.**
- 19.) Drawing A10.3 – FLOOR PATTERN PLAN – LOWER LEVEL – AREA 'C'
- a. Replace the note "PT-3" with "PT-1" at all locations
- 20.) DRAWING S2.4
- a. Revise plans to show folding partitions and cut section 9/S4.1 through them in 7 places. Beam sizes supporting the folding partitions do not change.
- 21.) DRAWING S2.4
- a. Revise perimeter beam size from W16x26 to W18x35 two feet from column line 1 between grids D and F and between grids M and P. Brick over W5 windows is to be hung from these beams per typical detail in sketch SK-S-01.
- 22.) DRAWING S2.5
- a. Add HSS6x6x3/8 column callout to columns at grids B1.6 BC and B2.5 BC. These columns transition from wide flange at first floor to HSS at second floor. The splice connection must occur at the second floor top of steel. The wide flange column can not extend higher than the second floor top of steel.
- 23.) DRAWING S2.2, S2.5 and S2.8
- a. The elevator size increased. See sketches SK-S-014, SK-S-015 and SK-S-016 for plan revisions at each level.
- 24.) DRAWING S4.2
- a. Revise 13/S4.2 to add bent plate at perimeter of roof per sketch SK-S-013.
- 25.) DRAWING S6.1
- a. Add typical detail above W5 window per sketch SK-S-012.
- 26.) DRAWING S2.3
- a. Add note to plan reading, "SEE TYP. DETAIL 13/S6.1 FOR DUNNAGE DETAIL" pointing at cooling tower support framing.
- 27.) DRAWING S1.1
- a. Revise stage live load under Design Criteria to be 150 PSF.
- 28.) Drawing M6.1, SCHEDULES – MECHANICAL
- a. ROOFTOP ENERGY RECOVERY UNIT SCHEDULE
 - REVISE Note 2 to read as follows:
"2. UNIT SHALL BE PROVIDED WITH A SPRING ISOLATED ROOF CURB, AND RA AND OA FILTERS."
 - REVISE Note 3 to read as follows:
"3. UNIT SHALL BE PROVIDED WITH 2-INCH DOUBLE WALL CONSTRUCTION, MODULATING GAS FURNACE, AND DIRTY AIR FILTER SWITCH."
 - b. PACKAGED ROOFTOP UNIT SCHEDULE:

- REVISE Note 3 to read:
"3. UNIT SHALL BE PROVIDED WITH A ROOF CURB, 2 STAGE GAS HEAT, DIRTY FILTER SWITCH, PHASE MONITOR, STAINLESS STEEL DRAIN PAN, AND HUMIDITY SENSOR."
- DELETE Hot Gas Reheat Column.
- CHANGE model number of RTU-1 from "J12ZRN24D4B2FCA2E1" to "J12ZFN24D4B2FCA2E1"
- CHANGE model number of RTU-2 from "J10ZRN18D4B2FCA2E1" to "J10ZFN18D4B2FCA2E1"
- CHANGE model number of RTU-3 from "J12ZRN18B4B2FCA2E1" to "J12ZFN18B4B2FCA2E1"
- CHANGE model number of RTU-4 from "JA4ZRH06B4B2FCA2E1" to "JA4ZFH06B4B2FCA2E1"
- CHANGE model number of RTU-5 from "J07ZRN12D4B2FCA2E1" to "J07ZFN12D4B2FCA2E1"

c. BOILER SCHEDULE

- REVISE Note 2 to read as follows
"2. PROVIDE BOILER MANAGEMENT/SEQUENCING PACKAGE WITH 4-20mA CONTROL, OUTDOOR AIR RESET, AND EFFICIENCY & RUN-TIME OPTIMIZATIONS."

d. CHILLER SCHEDULE

- REVISE Note 1 to read as follows
"1. UNIT SHALL BE PROVIDED WITH MINIMUM OF 4 STAGES OF COOLING, HOT GAS BYPASS ON 1ST CIRCUIT, DIFFERENTIAL PRESSURE FLOW SWITCH ON EVAPORATOR, COMPRESSOR SOUND BLANKETS, CONTROL TRANSFORMER, AND SUCTION VALVES."

29.) Drawing P5.1, DETAILS – PLUMBING

- a. MODIFY Domestic Water Detail to exclude meter and backflow preventer fixture number. Refer to attached Sketch SK-P10.

30.) Drawing P6.1, LEGENDS AND SCHEDULES – PLUMBING

- a. PLUMBING FIXTURE/EQUIPMENT SCHEDULE
 - MODIFY F-10, F-41, and F-42, as items are not used in the Scope of Work Refer to attached Sketch SK-P11.

31.) Drawing E3.2, PARTIAL FIRST FLOOR LIGHTING PLAN – AREA "B"

- a. ADD Emergency Lighting in Room B121. Refer to attached revised Drawing E3.2.

32.) Drawing E3.3, PARTIAL FIRST FLOOR LIGHTING PLAN – AREA "C"

- a. ADD Emergency Lighting in Rooms C115, C116, C119, C123, and Fire Pump Room. Refer to attached revised Drawing E3.3.

33.) Drawing E3.6, PARTIAL FIRST FLOOR POWER PLAN – AREA "A"

- a. REVISE location of "C" outlet and outlet in Rooms A104, A105, and A106. Refer the attached Sketch SK-E-42.

34.) Drawing E3.7, PARTIAL FIRST FLOOR POWER PLAN – AREA "B"

- a. REVISE location of receptacles in Room B101. Refer the attached Sketch SK-E-43.
 - b. ADD circuit for microwave in Room B101. Refer the attached Sketch SK-E-43.
 - c. ADD Wireless Access Points in Admin. Area. Refer to attached Sketch SK-E-51.
- 35.) Drawing E3.8, PARTIAL FIRST FLOOR POWER PLAN – AREA “C”
- a. GENERAL NOTES
 - REVISE Note 1. Refer to the attached Sketch SK-E-44.
- 36.) Drawing E3.9, PARTIAL SECOND FLOOR POWER PLAN – AREA “A”
- a. REVISE location of “C” outlet and receptacle in Rooms A204, A205, and A206. Refer to attached Sketch SK-E-45.
- 37.) Drawing E3.10, PARTIAL SECOND FLOOR POWER PLAN – AREA “B”
- a. REVISE location of monitor receptacles in Room B206. Refer the attached Sketch SK-E-46.
- 38.) Drawing E4.2, SITE PLAN
- a. MODIFY Electrical Service. Refer to attached revised Drawing E4.2.
- 39.) Drawing E5.1, DETAILS – ELECTRICAL
- a. TYPICAL CLASSROOM SOUND/VIDEO SINGLE LINE DIAGRAM
 - REVISE. Refer to attached Sketch SK-E-47.
 - b. COMMUNICATIONS OUTLET CONFIGURATION
 - REVISE. Refer to attached Sketch SK-E-48.
- 40.) Drawing E6.1, SCHEDULES – ELECTRICAL
- a. FIXTURE SCHEDULE
 - REVISE Type “C” and “N2”. Refer to attached Sketch SK-E-49.
- 41.) Drawing E6.4, PANEL SCHEDULES – ELECTRICAL
- a. RP-3
 - REVISE. Refer to attached Sketch SK-E-50.

End of Addendum No. 3

All other terms and conditions remain the same.